

cttctttct tcttcttctt ctacccttca atattaatat tccgagcaaa aaccaccaac 60
aacaacatca ccaccaacaa gaagaacaag attggcgta tgggtctctt ccttctagg 120
aatttggtt gcaaattcat ataccctttt ctttctcca agaaggttc caaggatttg 180
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<223> Clone ID: 701039644H1

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tccccatgg acaccacctt tgccaaacata tccaccacca acgtcttatt tttcatcaac 180
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ggttggtgt 249

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<211> 254
<212> DNA
<213> Glycine max

<223> Clone ID: 701039645H1

<400> 46385

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gttctaatttgcgcttgcg cagactgtga ttgtttgtta actgaacttt tcgagcaaaa 180
tgtctggacg tggaaagggg ggcaagggtt tggaaagg aggagcggaa cgacaccgta 240
aggtttgcgc cgat 254

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<213> Glycine max

<223> Clone ID: 701039646H1

<400> 46386

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ccgcatctgg tatggcagtc catgatg 147

<210> 46387

<211> 121

<212> DNA

<213> Glycine max

<223> Clone ID: 701039648H1

<400> 46387

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<211> 268

<212> DNA

<213> Glycine max

<223> Clone ID: 701039649H1

<400> 46388

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tattaatCCC tcagaAGTCC atacCCAAAGA catgcaAGCC ttgattGCAC aagCCTGcat 180
ggacattgaa aaccataact catgcctCAC aaacatCCAC aacgagCTCA ccaAAATAGG 240
ccctcctagt tccagttcag tggtagt 268

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<211> 147

<212> DNA

<213> Glycine max

<223> Clone ID: 701039650H1
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ctgattcctt gtaacagcaa cagccat 147

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<212> DNA
<213> Glycine max

<223> Clone ID: 701039651H1
<400> 46390
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gatcataggt ttggtctgct tcgcggact aatggctggt ctcactctcg gactcatgtc 120
attgggactc gtcgagctcg aagttct 147

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<212> DNA
<213> Glycine max

<223> Clone ID: 701039652H1
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ctgaagtatc ttctgttctg gctcatggtc cttatggac atttcccttg ggaaggaggg 120
atagtttaac agcaaataaga acccttg 147

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<212> DNA
<213> Glycine max

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ggacgtgttc cactctccct agatgcacaa ctagatccct ccttttacag agacacttgt 120
cncqaqqqttc actccattgt tcgtgaag 148

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<211> 231
<212> DNA
<213> Glycine max

<223> Clone ID: 701039654H1

<400> 46393

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gttttagatg gagtaattca gctaacagaa agggatgaat gtgcctacca agaaaatgatc 120
actcatcttc ctctctgctc tattccaaac cccaaaaagg ttttggttat cggtggaggt 180
qatqqqagggg tcatacgaga agtagcacac catttttcag ttgaaaagat a - 231

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<211> 146
<212> DNA
<213> Glycine max

<223> Clone ID: 701039657H1

<400> 46394

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ctgagaatgc tctaaaaagg gcggaa 146

<210>	46395
<211>	140
<212>	DNA
<213>	Glycine max

<223> Clone ID: 701039658H1

<400> 46395

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tccccttctc tctgggacaa tattgttaatt ctgacagggt gaagacaact taatgggagt 120
gtgggacggt tctgattaac 140

<210> 46396

<211> 145

<212> DNA

<213> Glycine max

<223> Clone ID: 701039659H1

<400> 46396

cgttactaaa cattgccttg cagatgtgga acaaatttg atgggccagg gtgccactaa 60

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aaaaaatgtg aatgattttc atgac 145

<210> 46397

<210> 405

<211> DNA

<212> DNA
<213> Glycine max

<223> Clone ID: 701039660H1

<400> 46397

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ttctgtatctg cgaaaaatgag agagtgcatc tcgtatccaca tttagtcaaggc tggatccaa 120

gtcggaaaatg ctttgtggaa gct 143

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<212> DNA

<212> DMR
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<223> Clone ID: 701039661H1

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cccccttctc ctttgagggtt caggatatctc agttcctccg attcaaaagct cggaccctta 180

aattgtatcgcc taaaaggccagg aaattttgata agtacgtcccc tgatgtaaaaat gttctttgaga 240

agggattgtatcatgt 255

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<211> 222
<212> DNA
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<223> Clone ID: 701039662H1

<400> 46399

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gacaatatt ctggtgtgac atatgcagac ttatttcagt tggctggtgc tacagctgt 120
gaggaagctg gaggccaaa aatccctatg aaatatggaa gagtggatgt atctggacct 180
qaacaatgcc ctgaaagaagg gagacttcca gatgctggtc cc 222

<210> 46400
<211> 146
<212> DNA
<213> Glycine max

<223> Clone ID: 701039668H1

<400> 46400

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gcaagaggaa gagggtacaa gtcagataaa tctttggc atttcaaggg aacaactcaa 120

gcctaattgaa gcaatatttg atgttg 146

<210> 46401
<211> 138
<212> DNA
<213> Glycine max

<223> unsure at all n locations
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<400> 46401

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ccgcgtctcn cgtcctcacc atctccaagg cccaaacaac cgcggaacc accggtgca 120
gcaaggcggcgcqcatcgagg 138

<210> 46402
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<212> DNA

<213> Glycine max

<223> Clone ID: 701039673H1

<400> 46402

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ccggaccacc tcttcaaacct ccgcaacaac ttotacctcg gcgcttacca agccgccatc 120
aacagcagcg acgttgccaa cctc 144

<210> 46403

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<213> Glycine max

<223> Clone ID: 701039674H1

<400> 46403

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tggcggtggc tgcgtccgac gccgacgaca tcctgatccg tcaggtggtg c 111

<210> 46404

<211> 249

<212> DNA

<213> Glycine max

<223> Clone ID: 701039675H1

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cctcggttat gaatcaatac gtgcacaaga agtttagtca gcaatataag gctaccattg 120
gggctgattc tgtcaccaa gagcttcaga ttgatgacag acttgtcact ctacaaatat 180
gggacactgc tggcaagag agattccaga gtctcggtt tgcattttac agaggtgccg 240
attgctgtg 249

<210> 46405

<211> 215

<212> DNA

<213> Glycine max

<223> Clone ID: 701039676H1

DRAFT FEB 2000

<400> 46405

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gcatctgcag ctgcagatc cacaagaag tataaatgtt tgattattat ttagaggcct 120
ctatctagtt aaaattaaat agttattgtg ctttgtttt attagacagt tgtaaggcac 180
tgtgttctac atgtgttgc agttgtctgc atgca 215

<210> 46406

<211> 153

<212> DNA

<213> Glycine max

<223> Clone ID: 701039677H1

<400> 46406

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aggtggtgga attattgctc aaatcataac ttatccttcaa acacggtaa acacgcgcca 120
gcaaactgag agaacactca agaggaacaa gca 153

<210> 46407

<211> 222

<212> DNA

<213> Glycine max

<223> Clone ID: 701039678H1

<400> 46407

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attgatgcat agttcaattt cacaatctga tattttatc actgattacc ttgtacccca 120
tgaagttcca tttcaatttc aatttcaaga tatgagcaag aatgacaaca acatgccaat 180
gaaccataacc gataataacc ttcaaattgcc tc当地atcaca tc 222

<210> 46408

<211> 150

<212> DNA

<213> Glycine max

<223> Clone ID: 701039641H1

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atagtgtatg caatggtgag ctttgaatgg aaagtggaga agttctttg gttttttt 120
gtcagcttct tctctttctt gtacttcaca 150

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<211> 240
<212> DNA
<213> Glycine max

<223> Clone ID: 701039679H1

<400> 46409

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tttgcattt ccaatcttca atttttctat atatccatca atccgctgag tgcaaagttc 120
taatcttcg cctattgggt tctactcctt tctctcttcg tttccgatcg atccaatttt 180
cttccccatgg ctacgatcgg acacaacaat ctaaatgcc aattgggtct tctcgaaaaac 240

<210> 46410
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<212> DNA
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<223> Clone ID: 701039680H1

<400> 46410

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caaagtggc tgccaaacagg aaaaccagca cgccctcggtt gggcagaaag tttctgactt 120
gttcaaaggg catcaacata atga 144

<210> 46411
<211> 111
<212> DNA
<213> Glycine max

<223> Clone ID: 701039681H1

<400> 46411

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tttggggct tttcagatgt tacagcggcc aaggcattgg aagagaagct g 111

<210> 46412
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<212> DNA
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<223> Clone ID: 701039682H1

<400> 46412

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tggcgaaacga aacgctgtcg ttgcggcact cgccggcggtt gtgctactcg cggcgagtgt 120
ggcgggtggat gctcaggaga actcggacgt caagacgctg gtgaagtaca agcacggaa 180
gaagtactgc gacaaaggat ggaaatgtaa gggctggtca atttactgtt gtaacctcac 240
cattaccgat tatttccaga 260

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<211> 144
<212> DNA
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<223> Clone ID: 701039683H1

<400> 46413

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ttctccattat ttcaaactgt gaag 144

<210> 46414
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<223> Clone ID: 701039685H1

<400> 46414

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gtgccttatac aaaagggtac ctgccctata gatgcactta agttgggtgt gtgtgccaat 120
gtgttgaact tggtcaatgt taaa 144

<210> 46415

<211> 127
<212> DNA
<213> Glycine max

<223> Clone ID: 701039602H1

<400> 46415

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gcagcagcga gatctataag atcattgaag cgaaaaaaata aaagctgtta tgcaaatgaa 120
tctaaaq 127

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<223> Clone ID: 701039603H1

<400> 46416

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ctggacgagc ccgaatgggc cctcaatctc gatctctgcg acctcgtaa caccgacaag 180
ctcaactgcg tcgaactcgt ccgcggaatc aagaagcgga tcattctcaa gagccctagg 240
gttcagtagacc tcgcccattg 259

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<212>	DNA
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<223> Clone ID: 701039604H1

<400> 46417

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cccctttctg ctcttcttct acctttcaag ttttaaaagt ataaagatgg cagagacatt 120
cctatttacc tcagagtcgg tgaacgaggg acaccctgac aagctctg 168

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<211> 156
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<213> Glycine max

<223> Clone ID: 701039606H1

<400> 46418

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aggatgccgt acgacgccgt aatgcggtcg ccgagtatcg aaagaaactt ctccagcaca 120
aggaatttgg aatccagagtc cgatccgtca gggaga 156

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<211> 159

<212> DNA

<213> Glycine max

<223> Clone ID: 701039608H1

<400> 46419

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agcatacata tgttcacgct gatgatggta ctccgttact catcaagaac gcaatctgtg 120
tctttgaaca atatggcagc atcatgtggc gtcacacccg 159

<210> 46420

<211> 155

<212> DNA

<213> Glycine max

<223> Clone ID: 701039609H1

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agatagctca ggctcgccctc agcactgcag ctgca 155

<210> 46421

<211> 155

<212> DNA

<213> Glycine max

<223> Clone ID: 701039610H1

<400> 46421

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gttttctcaa cagagagaga gagagagaat ctttcgaagt tcgttgcgt gtgttgtgt 120
gtcagtcacc gatggcagca ccacctgcga gggca 155

<210> 46422
<211> 258
<212> DNA
<213> Glycine max

<223> Clone ID: 701039611H1

<400> 46422

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agcggctaaa ccctaaatca gaactttggt gtggtgtgtt gacttaattg agttagaaaa 180
tagaataatg gtgaaagcat atacacagga acacgtctac aagcacccctt gggAACGTGT 240
aacttgcgtca tcttggcg 258

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<211> 223
<212> DNA
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<223> Clone ID: 701039612H1

<400> 46423

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gtttcacgat gttgctggaa cttgcacttg gtttgtttgt gttagctttg tttctgcact 120
tgcgtcccac accaagtgca aaacaaaaag cacttcgcca cctccaaac cctccaagcc 180
caaaggcctcg tcttccctta atgggcaacc ttaacctcta aaa 223

<210> 46424
<211> 247
<212> DNA
<213> Glycine max

<223> Clone ID: 701039613H1

<400> 46424

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atggcgctcgat tcgatcaggc acctccggc gatgtcaaattt ccggtgacaa aatcttcagg 120
accaagtgcg ctcagtgcca caccgtcgaa aaagggtgccg gtcacaagca aggacccaat 180
ctgaatggtt tggatggaaag gcaatctggc acaactcccg gatattccta ctcttcagct 240
aacaaga 247

<210> 46425
<211> 286
<212> DNA
<213> Glycine max

<223> Clone ID: 701039615H1

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agaatgtgggt ggagaagttc aagaaagcct cggacatcga ccgcttccgc aaaaaaaccg 180
gcatctacga agacaccgtc cgccgcctcg ccggcgcccg acgcttccgg tggatccgcg 240
acatcctcga gcaccagaag cagtaactccg acatctccaa cgaggg 286

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<211> 187
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<223> Clone ID: 701039616H1

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ccacaccctc tgggtgaggt gtggccgccc cagcttccac ctccagaaga gtcgttgctc 120
tgcgtgcgct taccccgctg cgccgaccag gaaatataac tggagcgtga aggccattna 180
gagaaac 187

<210> 46427
<211> 155
<212> DNA
<213> Glycine max

<223> Clone ID: 701039617H1
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gagaaaaatg tggatgtcaa agatggtgag actgattcct cgccccctaa acctcttgtg 120
actgttaaca tcgagccgga gccgaatgtg gtgca 155

<210> 46428
<211> 181
<212> DNA
<213> Glycine max

<223> Clone ID: 701039618H1
<400> 46428
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tgccggcgga ctggcgctga tcccagactt cggccgccacc accattacat ctttcataag 120
gacagggctc cggacatctc caacttttg gctgatgctt ctcccaagtcc ccccgctcag 180
c 181

<210> 46429
<211> 284
<212> DNA
<213> Glycine max

<223> Clone ID: 701039619H1
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acggggtcct tctccaccga gtagcgacca gattaaaaaa aaacgacggg aaactccgac 120
aaccatactg tccctggacc cggacatcgt caccaccatc ttgcgtttcc tcgacatgtt 180
cgatctcgtt cgctgctccc tcgttgtaa actctggaat gccatcggtg agtcccggtc 240
gctgcgagaa ttctgtgaga ggaagatgca cagtcttttg ctga 284

<210> 46430
<211> 111
<212> DNA
<213> Glycine max

<223> Clone ID: 701039620H1
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cggcagctgg agctctagg tttgaaggt ggctagtgcg gctgccgcta c 111

<210> 46431
<211> 262
<212> DNA
<213> Glycine max

<223> Clone ID: 701039621H1
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ccacccatcc aacagctttt gttcttaaca agacaaagct tcgcgtgtgt ttgggtttct 120
tctcatcctt ccagcttgaa aggattgaag tttctgtctt tttctgtatct ccgtgtgcgt 180
ggtttggttt tggttgtgaa gatgttgta gctaatacgat ttgatctatg gcgaaaggac 240
gctttttct ctggggcgga aa 262

<210> 46432
<211> 154
<212> DNA
<213> Glycine max

<223> Clone ID: 701039623H1
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tatagtttg aagagctatg catcaagaaa gaagccattg agggagaaga gaagttttgt 120
gcaaaatcct tggttacagt aattgggtttt gcc 154

<210> 46433
<211> 207
<212> DNA
<213> Glycine max

<223> Clone ID: 701039625H1
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catggcgaac tggcgacag gccgagcgct acgaggagat ggtggagttc atggagaagg 120
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cctacaagaa cgtgatcgcc gctcgcc 207

<210> 46434
<211> 151
<212> DNA
<213> Glycine max

<223> Clone ID: 701039626H1

<400> 46434
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ataaaactccc ttcggtgctg aacgcggta aggttatgtat ttatgaatgc gatctaatta 120
aggcacaatg acaaggagac aagcaagttc c 151

<210> 46435
<211> 118
<212> DNA
<213> Glycine max

<223> Clone ID: 701039627H1

<400> 46435
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tgccagccag tgtgctaagg agctacgaag aagaaaagaa gttgaagaac aattggca 118

<210> 46436
<211> 215
<212> DNA
<213> Glycine max

<223> Clone ID: 701039628H1

<400> 46436
aatgggccta ggacgtaaag caaaccaggt gtacatcatt gactatggcc ttgcaaaaaa 60
atataggat cttagactc ataggcacat accatacagg gaaaacaaga accttacagg 120
cacagccccg tatgcaagtg tcaacaccca tcttggatt gaacaaagca gaagggatga 180

tctggaaatct cttggttatg tgctcatgtt cttct

215

<210> 46437
<211> 119
<212> DNA
<213> Glycine max

<223> Clone ID: 701039629H1

<400> 46437

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cagtttgctg caagcttccc cgccaatgtc caaggggtga gattcagtgg caaagttctc 60  
qctccaaqcqq aqqtctgatcc ctgcgaaaacc ggatgcttct gctgctgaag atgatgatg 119
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<210>	46438
<211>	153
<212>	DNA
<213>	Glycine max

<223> Clone ID: 701039630H1

<400> 46438

gccttgcttt cttttcaact tcaaacttgc caatctcgaa gatggcaata gaattggcat 60
ctcccaattg ggttccatcc gcagccgcat gtttggcagc cttggccgcc ctcctcctct 120
tccttcctccg cggatctccqac cqccqtaaat aca 153

<210>	46439
<211>	289
<212>	DNA
<213>	Glycine max

<223> Clone ID: 701039601H1

<400> 46439

ctatggactt gccattccta aatgcctatc ttgattcggtt aggtttgcca aatttttagga 60
agggatgcaa cttgccgca gcagctgcaa ctatacttcc agccactgca tcatccctct 120
gccccttctc cttggggtt caggtgtctc agttcctccg attcaaagct cgggccccttg 180
aattgatcgc taaaggcagg aaatttgata agtacgtccc tgatgaaaat gttttgaga 240
agggattgtat catgtttgat attggccaga atgatcttgc tggaggcatt 289

46440
245
DNA
Glycine max
Clone ID: 701039631H1
46440
cacaaactcg ctgcttattt tgatttgaac tttgaagttt tgttatggca 60
gccaaagagca aaatcctagt ccttggagga acaggataca ttggaaaatt catagttaa 120
gcaagcgcag aagcaggaca ccccactttt gtcttagtta gagagagcac cctttctcat 180
cctgaaaaat ctaaacttat tgagagcttc aagacctccg gagttactct tcattatgg 240
gatct 245
46441
154
DNA
Glycine max
Clone ID: 701039633H1
46441
caaaagttag ggtgtgtgtt cgtaaaaagg aaatggcgcg attcagcgag agattgacat 60
tgataagttg attgagggtg agattcaatg agaagttaa actgatgagt tgactgaggg 120
tgagattcaa acttcattcg tgattccgaa gaag 154
46442
281
DNA
Glycine max
Clone ID: 701039635H1
46442
ttatgaagtc atacaatttgc tcagagctga gtgatgctga gcttcgcagc ctcatcgctc 60
gccctcgcat tgatttctct tcgggtttcg ctctggtcaa ccctatcggtt gaccacgttc 120
gcgaaacacg cgatgctgct gtcaaagaat acacattgag attcgacaaa gctgaattgg 180
ataacatcgt tgaacctgtc tccgacccttc ctgatccaca actcgatgctgcatgttaagg 240
aagctttga tgtcgccctac aacaatatat atgcctttca t 281

<210> 46443
<211> 151
<212> DNA
<213> Glycine max

<223> Clone ID: 701039636H1

<400> 46443

atccatgttt cctctggaa actagtcctt ggactatcat ggaattacta ttttgtgaca 60
tgtcccaagc ttgagaggat tataaggacg catcttgagg atgtcttcga gaaggacagt 120
ggagtagctc ctggcatact tcgactcttc t 151

<210> 46444
<211> 151
<212> DNA
<213> Glycine max

<223> Clone ID: 701039637H1

<400> 46444

ggcagtaagg tgagtcaaaa tcaatcatga agccatggta aatgtgaagt aaccccccatt 60
attttagaca catcatggtg acactggtt tgaggttagcc accatgattt taaaagatat 120
tcaaacatga tttaaaaga tattcaaaca t 151

<210> 46445
<211> 150
<212> DNA
<213> Glycine max

<223> Clone ID: 701039638H1

<400> 46445

caccaccctt tttcctcatt ctcttcctca ctaaaacatc actcttttt tcatttcacc 60
aaacaaaaaca gtaacaccac acagccatga cagacagggt gtacccatcg gccaaaggcc 120
ccgcgttaa cggcgccgcc gccaaacccat 150

<210> 46446
<211> 267
<212> DNA
<213> Glycine max

<223> Clone ID: 701039566H1

<400> 46446

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tctttctgc aacccaattc cacgcccctt ctttcctccc tccattttg atccattgtt 120
tctcacacgg gcactacacctt gggttctgtg cctgattcta cttccacgtg ctgggggaag 180
tgcaaaattt tgttcttttag ctccaaactag aagtgggaaa tcgctgtggc ttctataatc 240
tcaacatcgc tgctaccata ataggtt 267

<210> 46447

<211> 288

<212> DNA

<213> Glycine max

<223> Clone ID: 701039567H1

<400> 46447

accgaataag gattttctgg ttttgttgtt ggtgggttc agcgccccgc ttcaacttca 60
aattctcagt gaaaccaatt cagttcagtc caaatccaa atccgaagtg agatttgcga 120
tggagaggct tcagcgaatg ttccgcagggtg caggtggagc tctagggcac cctccccag 180
atcccccaac tctcgattcc tccgagcagg tctacatctc ctcactcgct ctccctcaaga 240
tgctgaagca cggaagggct ggggttcgca tggaagtgtat gggtttga 288

<210> 46448

<211> 287

<212> DNA

<213> Glycine max

<223> Clone ID: 701039568H1

<400> 46448

caacaacata gtcactgcca ccaccatgaa ttcacaacac tcatacgtg acatttcctt 60
aataaaaaac cagttacatg atttacatcc ttccacagtg agcatgttaa ccacggacac 120
gtgtcacaca tcaaacgtgc ttcaagggtt tggaatttt tccatggcca gtgacttggc 180
ctgtgtaat cagcagcaac aaatagatgg gtcaatgcgg gtttttatg gattggaaac 240
catggacgtg gcaacaaatg gtagcacaaa cactagtact tcaacag 287

46449
284
DNA
Glycine max

unsure at all n locations
Clone ID: 701039569H1

46449

gctccctgc attgccaaga agattccaca ttggtttctg ccacattctt caacacagct 60
acgaatacac ncaatctggt catcctccat taagatggct gcagaagact acactttgg 120
gccttacaag atacaccaca ctgaagtgtt ctactccacc aatctctt acgccatgg 180
taacctgcgt cctcttcttc ctggtcatgt gctcatctgt ccaaagcgtg aagttaagcg 240
tttcggtgat ctcactgctg atgagacttc tgatttatgg ctca 284

46450
273
DNA
Glycine max

Clone ID: 701039570H1

46450

gaaatactct tttgaccaac caaggctct tatttctaca cataggagga ggagagaaga 60
attgtttcta tttcaaagat tcagcaaatt aaggagcaga aaaaagtcac atattttgtt 120
gttgaattca tcaatatggc taagggaaatc agaaaacctaa gttcggttggat ggagggttgc 180
ccggcaccaa taattttccc aacaaagcct tctaattcgc ctgcttgga gaccatcaca 240
gaagaagttt ctgaggatga tgaagcttcc atg 273

46451
277
DNA
Glycine max

unsure at all n locations
Clone ID: 701039571H1

46451

tcgagcatac cactttcctt tccccattaa ttaagcactt agtaacagtc taattccacc 60

cgcaacaaca tgcctnattt tgtttgggg ttttatccac cctcactctc actctcactc 120
tcactcacac acagccacat agggacgaaa cgatacgatc catggcgatg atgatgcaca 180
ctgcgcaccc tcacacctact aattaacact aatcgttact taaatcagtt aaaacgaggc 240
atcagaataa gtgcaagtgc cagatctcgat tctcgat 277

<210> 46452
<211> 281
<212> DNA
<213> Glycine max

<223> Clone ID: 701039572H1

<400> 46452

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aatcaatgca tcaaccttta gtgcttggtc gaattgtgga gactttgttag tcccataccc 120
actcagcact aacgaggact gtggagacaa taggtacaaa gtctactgca acgatggaaa 180
tttagagttc ttgtcagcaa cagggactta ctataagatc cttagaattt acccaagtgc 240
taacaagctt gtcattagcc caccccttat actgcaaaac a 281

<210> 46453
<211> 278
<212> DNA
<213> Glycine max

<223> Clone ID: 701039573H1

<400> 46453

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catctccggc gacatctcac cgatctccgg cgaatccccg gtccccactt tcttccctcg 120
aaatgaatcc cgagttatgtat tatctgttca agtccttct tattggagac tctgggtttg 180
gtaaatcatg ctttcttctg agatttgctg atgattcgta catcgagagc tacataagca 240
ccattggagt tgattttaaa atacgtactg ttgagcag 278

<210> 46454
<211> 276
<212> DNA
<213> Glycine max

<223> Clone ID: 701039574H1

<400> 46454

gaagaagaag atggctttag gtgtccctgc tcttcggttg acatacgtgg ctcacgttct 60
ggcagttgtt gccagcgctct tggtcggtt ctgggtcgtc aatttcaggg gtggcttggc 120
ttgggattct gataacaagt ccctcatctt caacattcat ccagttctta ttgttattgg 180
cttactagtt catgggggtg aagctattat aagttacaaa gctttcccc taaagaagga 240
agtgaagaaa ttgataacccc ttgtttcca tgccac 276

<210> 46455

<211> 270

<212> DNA

<213> Glycine max

<223> Clone ID: 701039575H1

<400> 46455

gttccataca tagcaagaaa aacacactca cacacagtgc ttgttagac tagtgatctt 60
ccatggctgt gaaggataga atcctggtct tgggaccac aggagccatt ggaaggcaca 120
tagttggc aagttaaag gcagggaaatc ccactttat attggtagg gacacccctg 180
cctctgttaa caagccaagg cttgtcactg ctgctaattcc tgagaccagg gaagaactca 240
ttcagagctt caaaaattct ggagttactc 270

<210> 46456

<211> 139

<212> DNA

<213> Glycine max

<223> Clone ID: 701039576H1

<400> 46456

ctcggcttgcatcgatga agaacgtgc gaaatgcgat acttgggtgt aattgcagaa 60
tcccgtaac catcgagtct ttgaacgcaa gttgcgcccg aagccattag gccgagggca 120
cgccctgcctgggtgtcaca 139

<210> 46457

<211> 142

002400EEETEE60

<212> DNA
<213> Glycine max

<223> Clone ID: 701039577H1

<400> 46457

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cgacatgacc atcgcgcggc caacctgccc gccgcacatgt gatggagctc tatgccgacg 120
tgactcccag caccgcccag aa 142

<210> 46458

<211> 242

<212> DNA
<213> Glycine max

<223> Clone ID: 701039578H1

<400> 46458

cggctcgagg acttttggca gcaagataaa tggagtggga gcttcctgt aaagtggta 60
atcataaaaag atgtgtcaaa tgcaaatttt aggcacatta tactagagaa caatgagaac 120
aacacctgtta ctaatagcag agacacacaa gagataatgt atagtaaagg tttggaaatg 180
cttaaaaatat tcaaaaaacca tccgttgaag acatcttgc ttgatgactt tatatattat 240
ga 242

<210> 46459

<211> 152

<212> DNA
<213> Glycine max

<223> Clone ID: 701039579H1

<400> 46459

agaatattga acgaggcagt gagcttcgtt gctttctgct tgctcgacct tgacgatttt 60
cttctatgtt ttgtttcaa agctgtggat ttgtgggttg acgcagagtt cagaccctgc 120
tattgttcct cggcgaaggc accaataacg ag 152

<210> 46460

<211> 287

<212> DNA
<213> Glycine max

<223> Clone ID: 701039581H1
<400> 46460

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acaggctgct actgctactg ctataagtcg gagctgtggc agcagcagct cctgctcaac 120
tagcaatggt ggtgctactt gtaatagtaa cagtagtagt agtgtgtttg cgagtttgg 180
tgcttcttca acagcatctg tgaccctaca atctcaaaca ccagcattca gtgacttgat 240
tagagccatg gggcctccgg aacaccctgc ggatcaaata tcgggtc 287

<210> 46461
<211> 284
<212> DNA
<213> Glycine max

<223> Clone ID: 701039582H1
<400> 46461

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aagacccttc aactcttccc aatacaccac cccattttcc ctccaaagcc accactgaac 120
caccaagttt caacgcagag ccatgtcaac aatgtcctga aaggttcgat ggggtattt 180
tccgaaatca gcaaagtgtat tgatcacgaa gaacagtacc gggtagcccg gtgcaggtt 240
agccgtaaag ttttggactt ggaaggttat tccatagagg gtct 284

<210> 46462
<211> 285
<212> DNA
<213> Glycine max

<223> Clone ID: 701039583H1
<400> 46462

gctccatagc tgcagcatta gggttttca tctgcttcaa tggggaaagg aacagggagt 60
tttggtaaga gaaggaacaa gactcacact ctctgtgtga ggtgtggccg ccgcagcttc 120
catctccaga agagtcgttg cgccgcttgc gctttccccg ccgcacgcac taggaaatat 180
aactggagcg tcaaggcaat ccgcagaaag accaccggaa ctggcaggat gaggtacttg 240
acgtaacgtc cctcgccgat tcaagagtgg cttagagaa ggtac 285

46463
273
DNA
Glycine max

Clone ID: 701039584H1

*46463

gtgggagagg cagaaaagaag agaaaaaaagg ggaatggcat ggttgcagtt gcagagaatc 60
gtgaccaagg gaggtgctaa tttgatctca ccactccac tttcacgatt cttctcgaaa 120
tcttcttccc cctatgttgt gaaagttgga attccagagt ttctaaacgg gattggaaag 180
ggggttgagt cccacgttcc taagcttgaa tccgaaatcg gtgatttcca gcaagttctc 240
ctcaactcgca gcctcaaact caagaagctt ggc 273

46464
280
DNA
Glycine max

Clone ID: 701039585H1

46464

atcaaatctt ctttctttt ctccgcagt cccaaccttc ctggattctc actcacacat 60
cattgcttgg ggctctggtg aagatggtca gcttaggaatc ggaagcaacg aagagaaaaga 120
atgggtctgc ctgcgtcaaat ccctccagcc ccaccgtatt cgctccgtcg tcgccccag 180
cagaaaactcc ctcgccatcg ctgacgacgg caaattgttc acttgggtt ggaaccaaag 240
ggccacactt gggcacccctg ctgagaccaa gtctgagaac 280

46465
275
DNA
Glycine max

Clone ID: 701039587H1

46465

ttcaacaacc cttctttga tctgtgcaag tgatcttgaa aggagggAAC aacaatggtg 60
aagtctataa actttctcct acttctgtct ctactagcct ttgctccctt atgtcactgt 120

aaaaagcaaa taggaggta cctctaccct caattctacg acggttcatg ccccagagct 180
caagagattg tccaatccat cgttgccaag gcagtggcaa aagaaccccg catggctgct 240
tcgttgctca gactacattt ccatgattgt tttgt 275

<210> 46466
<211> 258
<212> DNA
<213> Glycine max

<223> Clone ID: 701039589H1

<400> 46466

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cctctcatca aacccaaaaaa gaatcttcag attagacgcc tccgagattt cgatctcttc 120
acggaccaga atttttctc ctgcgctgaa tcaaaggcat tcgttaaaat tgctcaagaa 180
attggctta ctcatcaggg gagtcttagt ccaacttatg gcgaagattc agagataatg 240
atcgaatgtt ggtggatg 258

<210> 46467
<211> 259
<212> DNA
<213> Glycine max

<223> Clone ID: 701039590H1

<400> 46467

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atcagctctg aaattggtgt tcaggcaacc gctgcaaagt ggttcaacct cttcacaaca 120
caacttcatc acgttcaaaa tcttactgat agaattcatg gaaccgagct gcatcatggt 180
gaagactggc atcacaatga gtcggtaag cactggactt ataccataga tggcaagggtt 240
acaacttgca aggagagta 259

<210> 46468
<211> 132
<212> DNA
<213> Glycine max

<223> Clone ID: 701039591H1

<400> 46468

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acagtttcaa gatgggcttc cctgactaca tccaaacatt ggaagacgaa cgccgtaaga 120
ttcagggttt ct 132

<210> 46469

<211> 234
<212> DNA
<213> Glycine max

<223> Clone ID: 701039592H1

<400> 46469

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tggcagttgt tgccagcgctc ttggtcgtgg tctgggtcgt caatttcagg ggtggcttgg 120
cttgggattc tgataacaag tccctcatct tcaacattca tccagttctt attgttattg 180
gcttactagt tcatgggggt gaagcttatta taagttacaa agctttccc ctaa 234

<210> 46470

<211> 118
<212> DNA
<213> Glycine max

<223> Clone ID: 701039596H1

<400> 46470

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agtcaccatc cgaaccagga agtttatgac aaacaggctt ctctccagaa agcagttc 118

<210> 46471

<211> 281
<212> DNA
<213> Glycine max

<223> Clone ID: 701039565H1

<400> 46471

agtctatcat agtcagaatt gagaacaatc gttgggtgtgg aacgtgacaa tggtggcgac 60
gaacgtgaag gcagaaacca tgtctctgat ggacaagcgc aggcaacttgg aggctgagat 120

gaactccatc atcgcccggcc tctcgagcc aggcgctcct ggcctctccg gaaatctcg 180
cgattccgag gattctcgcc attccgatat cgacgtcccc gttgttcgag ccgaacgacg 240
tcgcctggca gagctgcgca gcgaccacaa cgaagtaact g 281

<210> 46472
<211> 295
<212> DNA
<213> Glycine max

<223> Clone ID: 701039534H1

<400> 46472

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cagctggtgc atctttttt cttcaatttg tttttcggaa attcttttg gttccttagat 120
tttatacagga gaagctgaat tttccggaa aatttgcgtt gttttctctt ctttgcgacc 180
ttcggcccg gctgctactg attcgtaac ggcaactcct acgagggtgtt ttgcctgatt 240
tgttgatcct gcggagaagg tgcttggaaat agagggaaagg gaaaagacag aggaa 295

<210> 46473
<211> 287
<212> DNA
<213> Glycine max

<223> Clone ID: 701039536H1

<400> 46473

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tatattttcac attcaagaga aatatgcagg tggcaatgca ccgtcttttgc tgaagaataa 120
taacagcatc tcatcaaagc atcaattaat aaatgataca ttgaagatata gggttccatc 180
aaatccaaga ggtgcagaaaa gattacctcc tgagattatt gaagctgaga cggacttata 240
tttgcgtaga ttgtgggtc agcccaagtga ggatttaaca tcaaagg 287

<210> 46474
<211> 234
<212> DNA
<213> Glycine max

<223> Clone ID: 701039538H1

<400> 46474
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tttggggaa cctcaaccca atcccagaaa cgaaatcg cctcgcaatt taacgaaacc 120
gaggaagaga aatcggtggc acccttcaaa attcgagatt tccccgacaa aatgtcccaa 180
ctgaagccaa tgtcgcatat agacagtgcc cttcgaccc gagggaaaggtt caag 234

<210> 46475
<211> 290
<212> DNA
<213> Glycine max

<223> Clone ID: 701039539H1

<400> 46475
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gtttaagatg gttccaaaaa ctgcgtctt cttgctctt ttccctcacga tcaacattcc 120
cttcttgcc cttgcctctg ctcgggac atgccttagc cctaagccaa ggataataa 180
gcactagcct gttaagccaa gtcgttcagg tggctcaggt gttcgggtg gctcaagagg 240
ctctgggtgt tcaggtggct ctgggtggttca ggtggctcgg 290

<210> 46476
<211> 141
<212> DNA
<213> Glycine max

<223> Clone ID: 701039540H1

<400> 46476
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aacttaaatt tctgtttaaa agggtctttc aataaacttg tttatgtact ccctccgttt 120
cataatatTTT gttgtgtaaa a 141

<210> 46477
<211> 284
<212> DNA
<213> Glycine max

<223> Clone ID: 701039541H1

0
G
E
N
E
R
A
L
B
A
S
E

<400> 46477
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tcaagatgaa agtggAACgc ggcttcttt acaccatgcc acctattagt tggctgata 120
tatcttacta taaggaccag attctaccct tgataaaaaa gtacaaagtt gttcacttaa 180
atagaactga tgctcggttg gccaataatg gtcaaccgat agagattcag aagctgcgtt 240
gccgggtcaa ttttagtggt ctgagattta cttccagat agag 284

<210> 46478
<211> 283
<212> DNA
<213> Glycine max

<223> Clone ID: 701039542H1

<400> 46478
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agaacagtgt tagcataact ctccaagaag ttgctgatat atctatcaat gttgtgcctg 120
tgactaagga agatagtaga atccataatt accaaattcc tgatgatgat tgcttgctc 180
acttggaggt gcagttcaaa ttccatggtt tgtctaacaa agttgaaggg gttcttgaa 240
agacttatca gcgagatttt cagaaccctg caaatgggg agt 283

<210> 46479
<211> 135
<212> DNA
<213> Glycine max

<223> Clone ID: 701039544H1

<400> 46479
ggctcgaggg ctggaagttc tgccagtcta acagaaatct caaactacag aggactcctc 60
cttcaaggct gaaaaacttt ctgttgagca aaggaaagaa aagatcaata gatacatgaa 120
gaaaagaaat gaaaag 135

<210> 46480
<211> 229
<212> DNA
<213> Glycine max

<223> Clone ID: 701039545H1

<400> 46480

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cttccgctaa cggcgtaag atagcaaacg gggccatggc gaacgctcct cgacgctctg 120
ctacgacgcc tcgttcatga aatggaccgt tgcggatgct gtccacgtgg cgacgcatca 180
ttgggatgcc gtgcttattc gcattagggc ttctcttctt catggccgt 229

<210> 46481

<211> 267

<212> DNA

<213> Glycine max

<223> Clone ID: 701039546H1

<400> 46481

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gcatcaaaca tgtgctcaac aaggggtgaa tgaccttcaa atacggaaa atggagaggc 120
atatgaaagt caatcgcaag atgacttacc cagcagcact agtatacctg attcttgtc 180
tattgagagg tcttgtactc cacctgcattc aatggaagtt tcacagcaaa agcactacgg 240
ggaagaaatt taacatcggt gtgtgat 267

<210> 46482

<211> 278

<212> DNA

<213> Glycine max

<223> Clone ID: 701039547H1

<400> 46482

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attcttctaa tggcccagtc ctccggtcag accgagatca actgggacaa gctagataaa 120
actagattct atgtcgtagg agctggactc tttacaggtg tttcggtggc actttatccc 180
gtttctgttg tgaaaactag gctgcagggtt gccacaaaagg atgctgtaga gagaaatgtg 240
ttttctgttg caaaaaggact actaaaaaca gacggcat 278

<210> 46483
<211> 146
<212> DNA
<213> Glycine max

<223> Clone ID: 701039548H1

<400> 46483

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aaatttattg aaaattacaa aatcatgaga gagggacatt aaagatgatg taggacccac 120
tatctttat aatttccaag aagaga 146

<210> 46484
<211> 294
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<223> Clone ID: 701039549H1

<400> 46484

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acttcttctc tcttctcctt ttgtttctgt gtggatctac acccactaag atgttacccc 120
tattctgaaa atggaaaaca atcatagtgc agctggaaca caagatagtt ctatgatgaa 180
gtctgttgat caaagagtac gttcanaagc gcgtaatgac ataatgactc gacgtctgaa 240
gaatcgagag agacaacgaa gatatagggc acgtaagcgt ctagaagccg aaac 294

<210> 46485
<211> 293
<212> DNA
<213> Glycine max

<223> Clone ID: 701039550H1

<400> 46485

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agtccctgga gaagatgtcg tagaagttgt tgtgagccct cctttgtgt tccttcctgt 120
tgtaaaaagt ttgctgcgcc ctgatttcca tgtttggca caaaaactgtt gggttcgcaa 180
aggtggtgct tataccggtg aggttagtgc tggaaatgctt gttaaatttgg gaattccttg 240

ggttattatt ggtcactctg aacggaggca gctttaaat gaatcaaatg agt

293

<210> 46486

<211> 291

<212> DNA

<213> Glycine max

<223> Clone ID: 701039551H1

<400> 46486

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aagggagaaa acagttactg ttataagctc gcttcagaa tccggtagct gcgaaaattg 180

gctagttct gaaggagttc tgccacctct tataaggctt gttgaatctg gcagcacggt 240

gggaaaggaa aaggccacaa tatcccttca gaggttgcg atgtcagccg a 291

<210> 46487

<211> 287

<212> DNA

<213> Glycine max

<223> Clone ID: 701039552H1

<400> 46487

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cgagcatgga aaaagagaag gggccaccct tttgacaggg ggcaaaagag tggtaacaa 120

gggttactac attgagccaa caatttctc taatgttaag gaggacatgc ttatagcaca 180

agatgaaata ttccgtcccg tgatagcaact gatgaagttt aagacaattg aggaagcaat 240

tagaagtgct accaacagca gatatggcct agtagcaggt gttgtga 287

<210> 46488

<211> 287

<212> DNA

<213> Glycine max

<223> Clone ID: 701039553H1

<400> 46488

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ggctggctga aaaagatgac tcctgtaaac agtgcatttgc cttggcagtc atacaatgaa 120
gaacctgcct catccagtca agctgattcc attgcagcat atgcactttgc ggagcaggc 180
aacgtgaccc gcgattcttc agattatttgc tggtatatgaa cagatgtcaa cgtaatgct 240
aatgaaggat ttctaaagaa tggacaatct cctcttctaa ctgtaat 287

<210> 46489
<211> 262
<212> DNA
<213> Glycine max

<223> Clone ID: 701039554H1

<400> 46489

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ccaaccataat ttcaactcgat gggtatctgc ttccctcaac ctagtttgc tacttatgct 120
tggatgttat tggtatgaa agaaagtgc aatggacaat agtgagaata gtgagagagg 180
aggattccat aatagctgct ctcttgaat acaaacacag tctggtttgc agcttagtta 240
tttgtgtgtt caaccttttgc tt 262

<210> 46490
<211> 287
<212> DNA
<213> Glycine max

<223> Clone ID: 701039555H1

<400> 46490

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tgaatgagta ccgtttaccc gacaattgc aactacctaa ggaaatcgat ttatgcaaga 120
tatatcgaaa ggcaacttcg ttgaaagtgc tggagcaaag ggcagcacta gaggaagaga 180
gagagatgaa gcaaattgtt gttccctg cttctccttc ctccacggac accatgtcct 240
tttagcagccc acaggaagag caaaacatgc cttgccatt gttgcaa 287

<210> 46491
<211> 284
<212> DNA
<213> Glycine max

0
1
2
3
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5
6
7
8
9

<223> unsure at all n locations
<223> Clone ID: 701039556H1

<400> 46491

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acctggcac catatcagac caagttgatt gacctaacc ttctatgtcc tgaggagata 180
gattggctga actcgatca ctccacatgc agagatattc tagccatata tttgaatgaa 240
gttggaaatg catggctgaa aaaagccact gaacccgtag gtgc 284

<210> 46492
<211> 252
<212> DNA
<213> Glycine max

<223> Clone ID: 701039557H1

<400> 46492

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tttgatatcc ctgttgctgg ttctgacttc atggcttcag actctggtgg tttcagttgg 120
gggccccaga gttacaactt caagggcct tc当地atgaa gcttggaaat ggaataactca 180
ctggattcaa ctgtcatgga aaatggcct tc当地agcggt taaggactga atcatgtgca 240
tctggctcca ag 252

<210> 46493
<211> 118
<212> DNA
<213> Glycine max

<223> Clone ID: 701039559H1

<400> 46493

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acaatttattt gattactgta aatccaaagggt gtttactgtc ttttagtaacg tttatgtt 118

<210> 46494
<211> 132
<212> DNA
<213> Glycine max

<223> Clone ID: 701039561H1

<400> 46494

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ttcgattgaa catcgccgaa gaaggtattg acgtcgatga tgaaaatgaa attggtgaaa 120
acattactgc tt 132

<210> 46495

<211> 149

<212> DNA

<213> Glycine max

<223> Clone ID: 701039562H1

<400> 46495

gcgaaaccaa gacaaaagtg gcattcattgt tggcgcttc aaattcaatg ttctacagag 60
gtaaatttgc cgatggtggt gatggcggt aaatggctgc aaaacgccag cgcactgttg 120
atccaggatc ttcatatctat ggtgcttcc 149

<210> 46496

<211> 294

<212> DNA

<213> Glycine max

<223> Clone ID: 701039533H1

<400> 46496

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atacggcggtt cctttctact ccgttgcgtg gattctccaa cacgttgtca aatcgcgcca 120
aatcgaaacc gccgatgagt cctcggactc cgatcacagc acttcggccgg cgaccgaggc 180
ggagaaggaa cccgcgacgg tcgcccgtaa ctacctgctg ttgcggccgg ggacggagca 240
ggccacagcg gtatccccaa tgctttggtt attgcgcact tcgatgtcgc gtcg 294

<210> 46497

<211> 142

<212> DNA

<213> Glycine max

<223> Clone ID: 701039563H1

<400> 46497

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aacggatcga ccatgaagac gaccttctga tccgtcaagt ggtgccggat gcggaggacc 120
accacacctgct caacgcggag ac 142

<210> 46498

<211> 62

<212> DNA

<213> Glycine max

<223> Clone ID: 701039486H1

<400> 46498

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tt 62

<210> 46499

<211> 266

<212> DNA

<213> Glycine max

<223> Clone ID: 701039487H1

<400> 46499

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cttgcgcctt aagaggaaga aggtttgggt ggactatttt gttcagttc gatggatcct 120
tgttattttt gtcgtccttc ccatctcctt caccatttat ttccttacat accttgggaa 180
tgtaagatcc gagtggaaagt cctataagac gcgtcagaag gaacatgtat agaatgtgaa 240
gaaggttatc aaacgtctca aacaga 266

<210> 46500

<211> 266

<212> DNA

<213> Glycine max

<223> Clone ID: 701039488H1

<400> 46500

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ccgccacctc cagcaggagg gtttcgatgt cacttatctt cccgttgagt ccgacgggtt 120
gattgatttg gatgagcttc gggcttcgat taggcctgac accgggctcg tttcggttat 180
ggcggtaac aatgaaattg gagtggtca gcccatggag gaaattggga ggatttgcaa 240
ggagttaat gtgccttcc acactg 266

<210> 46501
<211> 79
<212> DNA
<213> Glycine max

<223> Clone ID: 701039489H1

<400> 46501

ggcacttgga tgtctcctt ttgcataatg ctacttcaaa agtagtttg atgggaatc 60
aaagctccaa gtcttaat 79

<210> 46502
<211> 260
<212> DNA
<213> Glycine max

<223> Clone ID: 701039492H1

<400> 46502

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aaacccccat ttctttctt ctttcttctt ctcttcgct tcttcgatct tcgatctcg 120
tcgctgaaaa tgagagagtg catttcaatc cacatggcc aggccggat tcaggttgaa 180
aacgcctgct gggagctta ctgcctcgaa cacggcattc agcctgatgg gcagatgcca 240
agtgacaaga ccgttggtgg 260

<210> 46503
<211> 259
<212> DNA
<213> Glycine max

<223> Clone ID: 701039493H1

<400> 46503

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atacatgatg cttgttgctt ctctttgtt ttcgtcttg gatttattag gctttgatta 120
ttcttatgtg aattaacttc ataagaacaa ttttgcctt aaaagaagaa agttgtaaca 180
gctaacaagt tcagtggaga acccaaaagc gtgtattttat gggttagcgt ttgcgaattt 240
gattttgggt gaagaattg 259

<210> 46504
<211> 78
<212> DNA
<213> Glycine max

<223> Clone ID: 701039494H1

<400> 46504

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atctctgaac cctaattt 78

<210> 46505
<211> 262
<212> DNA
<213> Glycine max

<223> Clone ID: 701039495H1

<400> 46505

gacgcgagat aaaattgggg gaagacatgg gatatggggc attgggaagg aatattcata 60
agcaaaaat gttatttctt ccctacacct cccataaccac tgttttcctt ctatttctcc 120
cccttcctt gcttctgct gccttccac atctcaacct tccttctcat ctcataatcg 180
taatggtaat gatatccctc ttctttattt ttttcttca ctaaacatata aggtttctgc 240
atgctctctc tattatgtgg ga 262

<210> 46506
<211> 301
<212> DNA
<213> Glycine max

<223> Clone ID: 701039502H1

<400> 46506

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atgtctagct gtgggtgtgg aaggcagctgc aactgtggca gcaactgcgg ttgcaacaag 120
tactcttttg acttgagtta cgttgagaag acaaccacag agactctagt tttgggtgtt 180
gggcctgtga aggccaattg gagggtgctg aaatgggtgt tgcatctgag aacggtggct 240
gcaactgtgg atcaagctgc acctgtgacc catgcaactg caagtaaggt caagatgtat 300
a 301

<210> 46507
<211> 307
<212> DNA
<213> Glycine max

<223> Clone ID: 701039503H1

<400> 46507

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gacctattaa ttagcatttg acagagagac accgagtata aacatacccc agtttaagat 120
ggcttcaaaa acttgttcct cccttgcct tttcctcaca ctcaacctca tctttcttct 180
cacttgttcc tgcattgcgtt tatacaccat gccctggtcc aaacccaaag ccaaggccca 240
accccaaccc taaccctaac cctagccaa gtggctccta gccccgtgat gcactcaaacc 300
taggtgt 307

<210> 46508
<211> 299
<212> DNA
<213> Glycine max

<223> Clone ID: 701039504H1

<400> 46508

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attcttggga attcttaact gtgaagcaca atatttcaat gctaaccat acgactattt 120
acaactagcc ttaaggtggc ctaattccta ttgcttgaca catgaaggtg gttgcaggga 180
aatagtagcca caatatttca ctattagcta ctttcattccc atgagaagag gaggcccgga 240
tctgcaaaat tgccctcac catttaatat gccaaatagc actgttagta tatctcctg 299

<210> 46509
<211> 299
<212> DNA
<213> Glycine max

<223> Clone ID: 701039507H1

<400> 46509

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cacataagga agaggctgct cacagagaga ccggcttagga ccctttggg gtggaggat 120
aagaatcaag ttgaggatga ttcaccaata ttttaggaaca aagagatgct agtggtcagt 180
tgatgttaggc gcatcaatta caggtaccgg cattttagt tgaatttggt cacactttg 240
cctcattgtt agaaggataa caaagttgaa tcaaaggaca ctaaaggagt catcctcaa 299

<210> 46510
<211> 268
<212> DNA
<213> Glycine max

<223> Clone ID: 701039510H1

<400> 46510

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agcttagggtt tgtccgtgtg gcagaatggg aaggtatcga agccggagca ggagctatag 120
ccccccggcgg cgaacacggc gcccaccggc accgcgcggc cggaaccgct atgtcgacga 180
tcgctacggt gacagcaggt cttacagaga ccggccgtca cctcttcctt ccggcttgct 240
tgttcgcaat cttcccttg atgccagg 268

<210> 46511
<211> 154
<212> DNA
<213> Glycine max

<223> Clone ID: 701039512H1

<400> 46511

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cttccaatgc tgacacgtgc tcattattct cctccgacca tttccgaatg ttccagttca 120
agggtgcggaa ctgtccacgt gtcaggtccc acga 154

<210> 46512
<211> 237
<212> DNA
<213> Glycine max

<223> Clone ID: 701039513H1

<400> 46512

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tcattccctt ttttccggt ttatagaatt gaaaagattt cattgataat tgagcaaaca 120
caatgagtgc tccacacctcat catgatgatg acgacgacaa cgaagaagtt tcccttgatg 180
agtctgacat catccatgaa gttgccatgg ataatgaaga tcttcctgac gctgatg 237

<210> 46513
<211> 290
<212> DNA
<213> Glycine max

<223> Clone ID: 701039515H1

<400> 46513

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tgcttgttt ttctctcacc tcgaaaatgt cttgctgcgg tggtaactgt gggtgcggaa 120
gctcctgcaa gtgcggcaac ggctgcggag gctgcaagat gtacccagac ttgagctaca 180
ctgagtcaac caccaccgag accttggta tgggagtggc acctgttaag gctcaattt 240
agggtgctga aatgggtgtg cccgctgaga acgatggctg caaatcccc 290

<210> 46514
<211> 154
<212> DNA
<213> Glycine max

<223> Clone ID: 701039516H1

<400> 46514

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ggtgggcaaa ccaatagaaa tgtccttctg tgggtgatc ttcgaacaag cgtgagctca 120
aacacacacaac aacacactgct tctggttcag acaa 154

<210> 46515
<211> 298
<212> DNA
<213> Glycine max

<223> Clone ID: 701039518H1

<400> 46515

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gaggttgctg agcgtggctc cttctctggg aaggactacc aggacctcc accagcacca 120
ctcattgatg ctgaggagct cacaaagtgg tcctttaca gggctctcat tgctgaattc 180
attgccactt tgctcttcct ctacattact gtgctcacag tca tagggta caagcaccag 240
actgacctca agaaaaatgg tgaaatctgt ggtgggttg gcattcttgg cattgcat 298

<210> 46516
<211> 287
<212> DNA
<213> Glycine max

<223> Clone ID: 701039519H1

<400> 46516

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tggatccgat ggaaaactgga gaaatttaggc atatgaccct gtaaaattagg gttttagatt 120
aagttcaatt attttaaggt gttgtctgtg tgtggttaa gtttcggat ctgtgttgg 180
ttcgtttcgt gttcctgtgg ttttcgttt tgacctacaa ttctagttgt gtttatagtc 240
gatcgaatga aatgatagta agaaatttac gcatcaaatt tctatgg 287

<210> 46517
<211> 300
<212> DNA
<213> Glycine max

<223> Clone ID: 701039520H1

<400> 46517

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cttacgatct acaattttac aaatacaaat acccttctcc ctcgctcaaa acacaaacaa 120

gctcgcttct tgcttctctc atcaacaaca tgcagatctt cgtcaagact ttgaccggca 180
agaccatcac cctcgatgtc gagagcagcg acaccatcga caacgtcaag gccaagatcc 240
aggacaagga aggtatccct cctgaccagc agaggttgat ttttgcttgtt aagcagctgg 300

<210> 46518
<211> 293
<212> DNA
<213> Glycine max

<223> Clone ID: 701039523H1

<400> 46518

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ctagcaatgt tctgctggat gaggagttt gaggacagct tatgggtgtt ggtctgtcca 120
agtttgcgcc atatgaggta atgcacgaga ggactgtgat ggcaggtgga acttatggat 180
atcttgcccc ggagtttgat tacagaaatg agctcacaac aaagagtgtat gtgtatagtt 240
ttggtgtgct actacttgaa attgtaagtg gacgttagacc tgcacaggca gtg 293

<210> 46519
<211> 141
<212> DNA
<213> Glycine max

<223> Clone ID: 701039527H1

<400> 46519

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cgcaatggcg gttgttgctc aaacccctga catgccccgc gagcggcagt ccggccaata 120
cgttcgccacc caaaacgttg t 141

<210> 46520
<211> 236
<212> DNA
<213> Glycine max

<223> Clone ID: 701039528H1

<400> 46520

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gagaaggtaa caagaacagt taggcaattt tcaccacatt tagctccaa aatgagacct 120
cctctcacgc ctgttattcg tggacgtcca tcatccaaga gagcaattta tatatgtggc 180
cgccgcgtt gggtatttgt cttgatattt ccttctgcaa gtttcttct ttggtt 236

<210> 46521
<211> 249
<212> DNA
<213> Glycine max

<223> Clone ID: 701039529H1
<400> 46521

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aacgaactgt cattggatg ggaaagaggc aagaaaactgt agaggatgtc ccctgtggta 120
atacagtggc tatggtttgt cttgaccagt tcacacaaa gaatgcaaca ttgacaaatg 180
agaaggaagt cgatgccac cctatccgag ctatgaagtt ttctgtctca cctgttggtc 240
gtgttgctg 249

<210> 46522
<211> 264
<212> DNA
<213> Glycine max

<223> Clone ID: 701039485H1
<400> 46522

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aaaatgtaat tgccatgtgt ttggcaatac aaatatccaa ataatgtaat ctgcgtatga 120
ataaaatgtgt gtgctgttat cctacttcag gtctgtgttag tcacgcgtc tgaatcattt 180
caagttcctg tcttagttaa tataacagcc atgggtgtgg cattctatgg tttattagac 240
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<210> 46523
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<223> Clone ID: 701039530H1

<400> 46523

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gagatggaag acctggagct tttccagaag cacatcgag accgcttctc ggagctctta 180
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<210> 46524
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<212> DNA
<213> Glycine max

<223> Clone ID: 701039532H1

<400> 46524

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<210> 46525
<211> 277
<212> DNA
<213> Glycine max

<223> Clone ID: 701039450H1

<400> 46525

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tgtttattat tctacgtatg gacatgttga gaagcttagt agagagatag aaaaagggc 120
tgcttctgtg gagggagtag aagcaaaact gtggcaggta cctgaaacat tgccctgaaga 180
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gcttcctgag gctgtatggct ttttgtttgg ttttccc 277

<210> 46526
<211> 272
<212> DNA
<213> Glycine max

<223> Clone ID: 701039451H1

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5
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-
D
E
B
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<400> 46526

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caattcaacc cacttcatct caggtgtttg aagttgagat aaaaatgagc ggaacagaga 180
aagcaggatc aggaaccacc aaaaccccg cgatccct caaatccatt cgtggaggc 240
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<210> 46527

<211> 266

<212> DNA

<213> Glycine max

<223> Clone ID: 701039455H1

<400> 46527

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cctccattga agtggctgtt gttgacatct ccaaataccg gattgcagca tggaacagt 180
accagttcc tatctatgag ccaggcattt atggtgttggt gaagcaatgt cgtggcaaga 240
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<210> 46528

<211> 269

<212> DNA

<213> Glycine max

<223> Clone ID: 701039456H1

<400> 46528

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cgggtcttt gcagtccgtg gaagagctt ttgggttatac tcagcttca ccttccagg 180
ctctgattca aagaaaaatc tcaacttcct tcagcaattc atctctacaa tttctggata 240
gtgtctttt ttttagcaaga atggctcaa 269

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<210> 46529
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<223> Clone ID: 701039458H1

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aaagtgtgtg cctgaatagc tcaaaaattga aagagcgcaa ctacatgggg ttatctgatt 180
gttcatctgt ggacagctcc gcgcgcctc tctcagatga gactatcact aatctgaacc 240
ttaaggctac tgagctgaga ctggg 265

<210> 46530
<211> 263
<212> DNA
<213> Glycine max

<223> Clone ID: 701039459H1

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tcgatgtggg cagttcttg cctggcgta tgctgcgcgg cctgcgcattt cgacgcctgc 180
aggaccgtcg tatcggaat cagcccccgt tccgccagga tcgcctactg cggcctcgtc 240
gccttctctc tcgtcgctgc ctg 263

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<212> DNA
<213> Glycine max

<223> Clone ID: 701039462H1

<400> 46531

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accatcatct ccttatccgt acctggaaaa gatggtgtgt tatctgtcgt tgttcttggc 240
cttgaatctg ttgaatcct 259

<210> 46532
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<213> Glycine max

<223> Clone ID: 701039463H1

<400> 46532

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gatctacaac aaactcatgg acttcattcg gaatcgtac agagacaggg gctatcaaga 180
ggtcataatct cccaatgtat ttaacatgga actgtgggtg caatctggtc atgctgcaa 240
ttatagggag gatatgtta 260

<210> 46533
<211> 142
<212> DNA
<213> Glycine max

<223> Clone ID: 701039464H1

<400> 46533

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cagatcaacg ccggttccgc ca 142

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<211> 277
<212> DNA
<213> Glycine max

<223> Clone ID: 701039465H1

<400> 46534

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gggtcttctt gactattgga gaagtattga ctgcaagctg gatttctgaa ttgctacgga 180
ttgaaccgag tgggtaccc ctgtcttgt taatagaact cgtgtgtgga aataagatct 240
tagctttca tggctggttt gaattggaat gttgtaa 277

<210> 46535
<211> 263
<212> DNA
<213> Glycine max

<223> Clone ID: 701039466H1

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cacccgtcaaa gggtcttcat ttgagaaatt tgccgtggga gtgtacagag gaggaactag 180
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atcagcttta tggtttgcag ttt 263

<210> 46536
<211> 274
<212> DNA
<213> Glycine max

<223> Clone ID: 701039467H1

<400> 46536

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ctcatcaagc cttcaaaatt cagccccagc aaagagggac aaagcgaagt agaagaaata 180
aagaacctag ctgcacaaga gcaaaagatc ttcccctacg aaacatttgt tgctgctacc 240
aacaatattc acattcttgaa caagcttaggt gagg 274

<210> 46537
<211> 272
<212> DNA
<213> Glycine max

<223> Clone ID: 701039468H1

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cgcaagaaga cggcggtggc cgtgacctac tgcaagctcg ggcgcggcct catcaagatc 180
aacggctgcc ccatcgagct cgtcgagccg gagatcgtcc gctttaaggc cttcgagccc 240
atcctccctgt tggaaacag ccgcttcgccc gg 272

<210> 46538
<211> 267
<212> DNA
<213> Glycine max
<223> Clone ID: 701039470H1
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aagaaaagtgg tgatcctagg aggtgggttt gccgggtgcca accttgcaaa aactatacaa 120
catcaagcca acgtcaccct tattgatccg aaggaatatt ttgagattcc atggcaagt 180
ttgacgggat tggttgagcc aacttttgct gaaaggatag taatcaacca tagagagtac 240
ttcaaaaaagg gtaaccttgt tgtatcc 267

<210> 46539
<211> 76
<212> DNA
<213> Glycine max
<223> Clone ID: 701039471H1
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ttcgctctcg gcatcg 76

<210> 46540
<211> 266
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<213> Glycine max
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agctgtttgg ccaaacactc ccattccac tgcaactgcga gagcttctaa agcctctccc 180
tgcaggtgtt gaaatcgatg aactccctaa gcaaattgat gatacacagt acccaaaaac 240
attcttctat aaagaagacc ttcatc 266

<210> 46541
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<212> DNA
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<223> Clone ID: 701039474H1

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gacgtgaaga cgctggtgaa gtacaagcac gggcagaagt actgcgacaa aggatgggaa 120
tgtaagggct ggtcaattta ctgttgcgttac ctcaccatta ccgattattt ccagacctac 180
cagttcgaga atctgttctc caagcggAAC tcgccccgtcg cgcacgcgtt cggattttgg 240
gactaccagt cttcatcg c 262

<210> 46542
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<212> DNA
<213> Glycine max

<223> Clone ID: 701039475H1

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cttgcgcaac ccatccatga cgcttggctc aggaggatcc agtgcgttg ttccttaggaa 180
cttcagattt ctggaggagc ttgaacgtgg tgaaaaagga attggagatg gcacagttag 240
ctatggaatg gatgatggtg atg 263

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<210> 46543
<211> 256
<212> DNA
<213> Glycine max

<223> Clone ID: 701039477H1

<400> 46543

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ggacttcatc ttgcgctgtc ttcagcgcga tccctctcgc cgctggtctg cttccagggtt 240
gctcgaacac cccttc 256

<210> 46544
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<212> DNA
<213> Glycine max

<223> Clone ID: 701039478H1

<400> 46544

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tcccataacg ccatcgaatt atgcagccct tgagggcatt ttgtattgca agcaccactt 180
ctccccagctt tttaaggaga aaggagacta taatcatctt actaagtctg catcagtcaa 240
acgggcagcc gcagccacag 260

<210> 46545
<211> 258
<212> DNA
<213> Glycine max

<223> Clone ID: 701039479H1

<400> 46545

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cctcccaactc caacttctcc gaatccaccg aaccggttct caacctcattc tgccaccgtt 120
qctccaaacc ctgccqatcc aaaaccqaga qtgatttgca cacgaaaaga accggccata 180

ccgagttcgt tgacaagact tccgaggccg ttaaaccgat tagttggag gctccgaagt 240
ggatgcaact gcttcatc 258

<210> 46546
<211> 259
<212> DNA
<213> Glycine max

<223> Clone ID: 701039480H1

<400> 46546

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cgtgatgagc aaatcaccca acaagcacaa ccgtctgtac atggaagcaa gaccattgga 180
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tcgttccaag atcttgtct 259

<210> 46547
<211> 275
<212> DNA
<213> Glycine max

<223> Clone ID: 701039482H1

<400> 46547

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tccccacagag gaagcaaagg gggatgacac ttacctctca gctttgacac tatgcttcag 180
ccgaattttc cctgcaatct tgaacgctgc tggatctg aatttggatc atatcatagc 240
caaggcagag agttcatctt tgcaggccctc ggaaa 275

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<212> DNA
<213> Glycine max

<223> Clone ID: 701039483H1

<400> 46548

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tcccacagag gaagcaaagg gggatgacac ttacctctca gctttgacac tatgcttcag 180
ccgaattttc cctgcaatct tgaacgctgc tggatctg aatttgtttg atatcatagc 240
caaggcagag agttcatctt tgtcagcc~~t~~g 271

<210> 46549
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<213> Glycine max

<223> Clone ID: 701039448H1

<400> 46549

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ctccctgaga actaccagat gaagtactac ctctatcaca tcctctcctg gccccagctc 180
ctctacgtcg ccgaagacta caacggccgc atcgctggct acgtcctcgc caagatggag 240
gaagaaaacca ccgactgcca c 261

<210> 46550
<211> 80
<212> DNA
<213> Glycine max

<223> Clone ID: 701039484H1

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agagagagag agagactctc 80

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<212> DNA
<213> Glycine max

<223> Clone ID: 701039413H1

<400> 46551

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tcagcgtgat aatagtcagt ctgataatga tggataaat cccctgatta aacttcttc 180
ggagaaacat gccacttaca ttgagtgatt ctggtagatg agtctaggaa atgactttgg 240
cttctcctcg ttacagttac agttc 265

<210> 46552
<211> 262
<212> DNA
<213> Glycine max

<223> Clone ID: 701039414H1

<400> 46552

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gcaacaccat tgagagattt aggaactctc ttagcaagct ttgggtgtac tactatccat 180
tcgctggcag attcagcttg acaaaaagtg gtgcataaga agtggattgt aacgcaaagg 240
gagtgacatt gattgaagct aa 262

<210> 46553
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<212> DNA
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<223> Clone ID: 701039415H1

<400> 46553

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aatgggacaa ttcttggca aaaaggctt aatggca gctatcaaattt gcaacggaaat 180
ggaaaggcgtt accaactttt agccaaatgtt ttagtggaa gagctggaaat ctgcagccat 240
taatggaaat ggcagtcaga atct 264

<210> 46554
<211> 138

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<212> DNA
<213> Glycine max

<223> Clone ID: 701039418H1

<400> 46554

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cttaaggaga aagaagcgaa aaaaagtgct cctttcgac acccagattt cagtttcagt 120
gattgtggaa ctggaaa 138

<210> 46555
<211> 266
<212> DNA
<213> Glycine max

<223> Clone ID: 701039420H1

<400> 46555

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ggaaaaaacAC acacacacAC acacacacAC gttaaactGA catttttat tagtgAGAAG 180
acatggctCA acccagttCC aacggggatC tgactaataa ccagcaggGT caggttcAGC 240
aacagcagca gcagtggcgc gcccgc 266

<210> 46556
<211> 268
<212> DNA
<213> Glycine max

<223> Clone ID: 701039422H1

<400> 46556

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gaggtggttt gcgcggacac gggatcgacc ccactggaag gtacgggtgg gactcagAGC 180
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gcgcgggttct catggacctc gaaccggg 268

<210> 46557
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<212> DNA
<213> Glycine max

<223> Clone ID: 701039423H1

<400> 46557

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cgacctagaa gatgagtaca aggagagcga ggtggcgctg cggcaattcg acctgaacat 180
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cggttgaac cctccgcagg aaatcgatag g 271

<210> 46558
<211> 271
<212> DNA
<213> Glycine max

<223> Clone ID: 701039424H1

<400> 46558

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aagggtggaa tagttgacat taatgctgct gcaagaatcg ttcttcatga ttggaatgaa 180
gtaaaatta tatattatac cattccccca aatagggatc aaggggacc tgcagaggtt 240
aagatagttt ctgagtttc aaaggagttt a 271

<210> 46559
<211> 269
<212> DNA
<213> Glycine max

<223> Clone ID: 701039425H1

<400> 46559

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cgtggctctt ggcatttcg ggcttgtatg gaatttatca tcagttgttgc tccgcatttgc 120
ggcagtgttc gtactatgg cagccttcag atattatcaa caacatttgc tggtagagaga 180

tgaatggggg gaagatgaag caggatgtga taaaacatgg caagaccctg ttggagttag 240
accgaaacaa ggacctgcaa ccaacttta 269

<210> 46560
<211> 268
<212> DNA
<213> Glycine max

<223> Clone ID: 701039426H1

<400> 46560

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ccggatccac cggttcgcc accaaacgtt tccttactca ccacagaaac accggtgagg 180
gtgaaaacgt caacctccac gatccaaatg agtagactt ttccggttcc gaaagcattt 240
ctcagacaca tcacagtgac ggggtctt 268

<210> 46561
<211> 265
<212> DNA
<213> Glycine max

<223> Clone ID: 701039427H1

<400> 46561

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gcatgtgcaa cccttcctc gagatctctg ccgtcgatcg cgacgcttc ttggaaaaat 120
acggtatcaa gttgaacgat gcgattctcg ccgaggataa acacaaacct atgtatgaag 180
aattggctaa caatcctaattt gtggagtaca ttgctggagg tgctactcag aattcaatca 240
gggttgctca gtggatgctt caagc 265

<210> 46562
<211> 259
<212> DNA
<213> Glycine max

<223> Clone ID: 701039428H1

<400> 46562

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cattcccgcc ggttcaccca tgcgaaccat tatctccgcc gacacttgtc acgtctctaa 120
tcagtctctc ccaatccata tgcagttcc aaccccaatc attccccacc caacgaagga 180
cgtccaggga aacaatacgc caaataagca ttgtcttaat gttccttcaa gagattcgag 240
taatccccaa ctccagtagt 259

<210> 46563
<211> 264
<212> DNA
<213> Glycine max

<223> Clone ID: 701039429H1

<400> 46563

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gccgggaata tgctgccaaa atgttacag caagaaagat ggcattagca tacgagaggt 120
tattcctatg tataaaagat cgctcattct gcacctatcc ttgaagctta ggttagaata 180
gaaactcttt aataacaactt tctttcttcc atttattttt ctgttatttc agtatgataa 240
aatcatattt aaattttaa acaa 264

<210> 46564
<211> 263
<212> DNA
<213> Glycine max

<223> Clone ID: 701039430H1

<400> 46564

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tggAACGACC tattcatgtg ttgggttta caagaacggc catgtgaaa tcataGCCAA 120
tgatcaaggt aaccgtatca ccccatcgtg ggttgcttc accgacagtc agagactaat 180
tggagacgct gccaataatc tggcagctgt caacccagaa aggaccatca ttgatgtcaa 240
gagacttattt ggaagaaagt tcg 263

<210> 46565
<211> 265

<212> DNA
<213> Glycine max

<223> Clone ID: 701039431H1

<400> 46565

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gattgcttg gtggagctgc tgcaaaggct cgccggacatg gatataacat tccaagggtt 180
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tcggcgattt gtgaagttgc ttgtc 265

<210> 46566
<211> 264
<212> DNA
<213> Glycine max

<223> Clone ID: 701039432H1

<400> 46566

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aacatacaca tatatgaaaa ggatcagggt tgaggctgtg acattggct ttatgtgcac 180
cccaaagcta ggagaaagag acttcaaact aggtcgtccc caggcattga taagcaagca 240
ggtgctcctt gttcatctct cctt 264

<210> 46567
<211> 183
<212> DNA
<213> Glycine max

<223> Clone ID: 701039434H1

<400> 46567

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ttgttgtcga gatgaatata ggagccaatg tgaaggatct agggcaggaa ttgcaaaagt 180
taa 183

<210> 46568
<211> 273
<212> DNA
<213> Glycine max

<223> Clone ID: 701039435H1

<400> 46568

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tccggcgacc tagttccta tcgtgatcgg aggagtgatt ctgggctagg tgcacctaca 120
gggttttgtg gttctgtaca acactttca tcaaacadga gggattatga tcatggtggg 180
tcaccaaaga ggaacctcag tttggatggt ttacctcatt ttgagaaaag cttctacatt 240
gagtcaccag ctgtaaaggc aatgacaggt gct 273

<210> 46569
<211> 134
<212> DNA
<213> Glycine max

<223> Clone ID: 701039436H1

<400> 46569

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gaataaaaagg aggaaggaac aaaggaagtg gttcaagaag aagaagaagc gtctcaccct 120
tacgcatttc atgt 134

<210> 46570
<211> 268
<212> DNA
<213> Glycine max

<223> Clone ID: 701039437H1

<400> 46570

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ctgctgttcc aatcggcctc agcagacgac gtcgttgtgc tctctgaaga taacttcgag 120
aaggaagttg gtcaggacag aggagctctc gttgagttct atgctccttg gtgtggacac 180
tgcaaaaagc ttgctccaga atatgaaaag cttggtagca gcttcaagaa agccagatct 240

gtttaattt gcaagggttga ctgtgatg

268

<210> 46571
<211> 77
<212> DNA
<213> Glycine max

<223> Clone ID: 701039439H1

<400> 46571

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tcaaattcata tcatttg 77

<210> 46572
<211> 268
<212> DNA
<213> Glycine max

<223> Clone ID: 701039440H1

<400> 46572

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gacaatgggt gaaactaagg acgaaggata cgaggaagag cttctcgatt acgaggagga 180
agacgacaag gcccccggact ccggccggagc taaagtcaac ggcaagcta ccaagaagg 240
ctatgttggaa attcacagtt cgggattt 268

<210> 46573
<211> 266
<212> DNA
<213> Glycine max

<223> Clone ID: 701039442H1 .

<400> 46573

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acgagcatca tggcctcaag agcagtgtta ttgttgctt tgtgtgtgt tccggcgatg 120
gttgtggcca ttcccccggc aaagaaccct tttgcgtga agggcgtgt ctactgtgac 180
ccttgcgtt ctggtttga gacctcagct accacctaca ttgctggtgc tgagattatg 240

ttgcaatgca agagcagggt tagcaa

266

<210> 46574

<211> 77

<212> DNA

<213> Glycine max

<223> Clone ID: 701039446H1

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<223> Clone ID: 701039447H1

<400> 46575

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ttcctccacc tatggagcac taatgctgga caaggagaag gagcaacttc aacttcaacc 180

caccgtcgaa gaagaatcca aaacatcccc tcctcggatt cgcgaagatc ccgaagtcat 240

caacgcttgg gaactcatgg agg 263

<210> 46576

<211> 260

<212> DNA

<213> Glycine max

<223> Clone ID: 701039412H1

<400> 46576

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gtaccaatgt ctaattcttc catggccagc ttgacttttg ctgttggcat tattggact 120

gtatttatccc ttttgtgtt tgccctccc atcaagactt tttgttagagt ggtaaagaag 180

aatcaacag agaattacaa gggagctcca tatataacga cgttcttgcg cacaagtttgc 240

tggacttctt atggagttct

260

<210> 46577
<211> 233
<212> DNA
<213> Glycine max

<223> Clone ID: 701039375H1

<400> 46577

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attccttcctg ttgggttagg cacttggcaa gctgagcctg gtgtttagc caaagctgtc 180
accacagcca ttctgggtgg atacaggcat attgattgtg ctcaagcgta taa 233

<210> 46578
<211> 232
<212> DNA
<213> Glycine max

<223> Clone ID: 701039376H1

<400> 46578

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aattcttcctt ttttaaggga aattgatatt aattattgtt tctttaaaaa agtgattttg 120
ctcttgtatt ttgtacttgg tcaactcgaa ataaagtata taggccaggg tctaaatttc 180
ttttaattct tgtatcttaa aaaccattat tttgataatc tatataaact aa 232

<210> 46579
<211> 237
<212> DNA
<213> Glycine max

<223> Clone ID: 701039377H1

<400> 46579

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attcaccatg gctgagcaaa ccgagaaggc tttttgcaa caacccaaag tgtttctcag 120
ctcgaagaaa actgggaagg gaaagagacc cgaaaagggt gggAACGCT tttggaaatc 180

cattgggctt ggatttaaga ctcccaggga agccatcgaa ggaacctaca ttgacaa 237

<210> 46580

<211> 238

<212> DNA

<213> Glycine max

<223> Clone ID: 701039378H1

<400> 46580

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cccagggtttc actccattgt tcgtgaagtc gtcaggaacg tttcaaagaa agatccccgt 180

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<211> 122

<212> DNA

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<223> Clone ID: 701039379H1

<400> 46581

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ccagatggag ggaagctcgt ggagcttgt gtgacggatt ttgagagggaa tttgaagaag 120

gg 122

<210> 46582

<211> 76

<212> DNA

<213> Glycine max

<223> Clone ID: 701039380H1

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cgtcatcaaa gctccc 76

<210> 46583

<211> 236

<212> DNA
<213> Glycine max

<223> Clone ID: 701039383H1

<400> 46583

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tccgttaaca ctgctgctgc tacccttcg gtcatggtc ctgcacagac tcaggggatt 180
tcgatttcaa agacgatgca gtttagagat tctattcaaa cccctggttc gagtat 236

<210> 46584
<211> 123
<212> DNA
<213> Glycine max

<223> Clone ID: 701039384H1

<400> 46584

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tac 123

<210> 46585
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<212> DNA
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<223> Clone ID: 701039387H1

<400> 46585

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agggacaccc tgataagctc tgcgaccaaa tctccgatgc tgtcctcgac gcttgcctcg 180
aacaggaccc agacagcaag gttgcctgctgaa acatgcac caagaccaac tt 232

<210> 46586
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<223> Clone ID: 701039388H1

<400> 46586

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ggatgccaag ccaatgttgtt aacatacaac cgccatttattc attgctatgg ctgtgcaaac 120
tacctgaaag aagcactgaa tgtgttcaat gaaatgcagg aggtggatg tgagcctgat 180
cgtgtcacat actgtacact cattgatatac catgctaaag ctggatttat tcat 234

<210> 46587

<211> 235

<212> DNA

<213> Glycine max

<223> Clone ID: 701039389H1

<400> 46587

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tgctgagaaa aaaacagaat tagatgagtt ggttaaacag aaattgaggt tggaggaatc 180
acttagagaa tctgaggaga aagtgactgg tttggagtcc agtattcttc aattt 235

<210> 46588

<211> 234

<212> DNA

<213> Glycine max

<223> Clone ID: 701039390H1

<400> 46588

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catccaaaag ggcgtgttac taaccgctcc gcctcgctt ttcgaggata tgatactctc 120
ttttaaacac tctctttcta tcgcgccttc tcactttccg gctttgcgg gaaggttaga 180
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<210> 46589

<211> 233

<212> DNA

<213> Glycine max

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<223> Clone ID: 701039392H1
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ttaatttgct accaaaatgc aattgggtggg aatttagtgaa tggccacact agccaacacc 120
atagtgtgtg tgggtgtgta gaggggtgat agtgttgact gttgaaaaaa ccttgtatga 180
gaagaaaagag gcatttttag ttgacatgct gtagcatttt gatggagttt act 233

<210> 46590
<211> 236
<212> DNA
<213> Glycine max

<223> Clone ID: 701039393H1
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gcgatctcct cttctcctgc gccaaggacc acaaccctac cgtctggttt gccgacaacg 120
gcgaacgctt gggacttat cgccgcacaca acggcgccgt ttggacctgc gacgtctcaa 180
gagattcggc tcgactcatc acggaaagtccgatcagac cgcccaagcta tggcac 236

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<212> DNA
<213> Glycine max

<223> Clone ID: 701039394H1
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aattaacaca gagaaagggtttacttacaa cgtaaagggtt aaccgtgtat tttacataaaa 120
agataacttttgcgttacatttc acggcgatcg cgtgttatgtt gatgataaaag gaagtcccat 180
cgtcactcta tacaagaaga atgtgacatttgcacgggcaatgcaaaatggtttcagggg 237

<210> 46592
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<212> DNA
<213> Glycine max

<223> Clone ID: 701039395H1

<400> 46592

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tatttggtgt tcaacatttc aattttgtca tcgggttct ctgaacatgg agcagagatt 180
tcaatgggtc tcaactcaaa agaaccttctt gctgttagtga aggaggagat gcacgttat 240
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<210> 46593

<211> 235

<212> DNA

<213> Glycine max

<223> Clone ID: 701039396H1

<400> 46593

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gtactttcga tgactctttt ggtgttgcct ctcttaaggc ttattttggca gagctccatg 120
caactctgat tttcggttgc gctgggtttt gttcagccat cgcttacaac gagcttacaa 180
aagatgcagc cttggatcca acggggctgg tggcagtagc tgtggcccat gcatt 235

<210> 46594

<211> 278

<212> DNA

<213> Glycine max

<223> Clone ID: 701039402H1

<400> 46594

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agctaaaaagt agcaacgagg gatgagagaa caagaggatt ggaggattac gacagcgctg 120
ttaacgttgt tggtgggtt tggttcttct tttccggcgt tgagctacgg agttgttcct 180
cctcgtaactc tgctcaataa gctgtctcag ggcagttatc tcaccactca ggagcaatgg 240
ttcaatcaaa ccctcgatca gttctctccc tatgatca 278

<210> 46595
<211> 274
<212> DNA
<213> Glycine max

<223> Clone ID: 701039404H1

<400> 46595

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gtttatgctt tcagcctgtg ccttgttctc taaaacatgg attgaagtct ctggttcatc 180
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gtcaaacttg cagaaagagc tgaaccgata catt 274

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<212> DNA
<213> Glycine max

<223> Clone ID: 701039405H1

<400> 46596

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tggacctta acactgttc ctggccaaa gaaaagctt ttcgggctgg tgacacactt 180
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agctgcaaga ctccaagagg agccaaatgt ta 272

<210> 46597
<211> 270
<212> DNA
<213> Glycine max

<223> Clone ID: 701039406H1

<400> 46597

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tatctggagt tattggact atgacttact atgttagtgag gtctaaagaga agcagatcaa 240
tgaggaagaa ggagaagcaa gctgccagga 270

<210> 46598

<211> 268

<212> DNA

<213> Glycine max

<223> Clone ID: 701039407H1

<400> 46598

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gaccatcaag aagagagcaa gtggacctaa gtgcctgtc actggcaaga ggatccaagg 180
gattccacac ttgagacctg ctgaatacaa gaggtctaga ttgcctcgga acccgagacc 240
gtaaaccggc ctacggaggt gttttatc 268

<210> 46599

<211> 178

<212> DNA

<213> Glycine max

<223> Clone ID: 701039408H1

<400> 46599

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ctgctgttcc aatcgccctc agcagacgac gtcgttgtgc tctctgaaga taacttcgag 120
aaggaagttg gtcaggacag aggagctctc gttgagttct atgctccttg gtgtggac 178

<210> 46600

<211> 272

<212> DNA

<213> Glycine max

<223> Clone ID: 701039409H1

<400> 46600

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aacctatgtcttttacccc ctgaagttta ctggaaagtgc gtgcttccta ctacgccaat 180
gtcaaaaagcc atcactgata tcctttactc tgattgggtg gaagagaaaa gcagctcagt 240
gcatgttggaa ggtggaggcg tgaacgtgca ta 272

<210> 46601
<211> 236
<212> DNA
<213> Glycine max

<223> Clone ID: 701039374H1

<400> 46601

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agctctatgc cgacgtgact cccagcacccg ccgagaactt ccgcgcgctc tgcaccggcg 180
agaagggcgc cggcgaggc ggcaagcccc tccactacaa aggctcggtcc ttccac 236

<210> 46602
<211> 269
<212> DNA
<213> Glycine max

<223> Clone ID: 701039410H1

<400> 46602

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gcaacccctt tgccgtctc ccctgcgttt ttccaaattt ttctagtcacatgagaat 180
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tggaaaaat gaggttaattt ttgctgaca 269

<210> 46603
<211> 81
<212> DNA
<213> Glycine max

<223> Clone ID: 701039332H1

<400> 46603

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cgtcctggcc ctcgacaatgc 81

<210> 46604
<211> 244
<212> DNA
<213> Glycine max

<223> Clone ID: 701039333H1

<400> 46604

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gatgtcccttcatcgtcgc tcacaaaaag gcctccctca acagactcaa gtccggcgcc 120
gaaagggtct ccgtcaccat cgacatctac aaccaaggaa cctcgacggc ctatgatgta 180
agcttatcag acgatagctg gccaagtgtatg gctttgatg taatcagtgg tagcacatca 240
aagt 244

<210> 46605
<211> 239
<212> DNA
<213> Glycine max

<223> Clone ID: 701039334H1

<400> 46605

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ggactgaaat cgaagtcgaa gcaagcaatg ggcaacgctc agtcaccttc caacaatgat 180
cctcgatatg tttcagcaac cagagctttt actcaaaaagg aacttgaaga cttgaggctc 239

<210> 46606
<211> 236
<212> DNA
<213> Glycine max

<223> Clone ID: 701039335H1

<400> 46606

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cttgcaact tacatgagct tgccaaccct cccataatcc acagagacgt gaagtcgact 180
gctatattgt tggatgaaaa tttgacagca aaggttgcag attttggctt gtccaa 236

<210> 46607
<211> 236
<212> DNA
<213> Glycine max

<223> Clone ID: 701039336H1
<400> 46607

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aaaggagctg gaaagctgaa gctggtgttt gttccagaag gccaaaggta ggaaactgaa 120
ttcgagggtt ttaacttcac tggtaaggg ggtgtttcat tggctatgta caatactgat 180
gagtctattc gttctttgc cgaggcttct atggcaactg cttagagaa aaagtg 236

<210> 46608
<211> 237
<212> DNA
<213> Glycine max

<223> Clone ID: 701039337H1
<400> 46608

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agatgggttc tgcatctca ctgagtgga tgggtcaag actcttgcatt atcagaagg 180
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<210> 46609
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<212> DNA
<213> Glycine max

<223> Clone ID: 701039342H1
<400> 46609

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atggccttg tcaccactgc tgaagtgtgt gatgcgaacc cacagtaat tttgagtggg 120
gagcttcgtg cccttcagcc agttttcag atttatggcc gtcgacaggt tttctctgga 180
cctatagtta ccttgaaggt gtttgaagac aatgtttgg ttctgtgagtt ccttg 235

<210> 46610
<211> 248
<212> DNA
<213> Glycine max

<223> Clone ID: 701039343H1

<400> 46610

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ctcacaaattc ccaatcctca cgttgcctcc ttcatgaa gtcctctcg cgctccgtgt 120
tttcgctctc tccctgaatc actcatcctt ataataaaata aattctctct ctcgaagaag 180
aaggcgaaag aggtttcat tggtctgtt gttgttagacg aagaagaagc tcaagaatgg 240
agtcgacg 248

<210> 46611
<211> 259
<212> DNA
<213> Glycine max

<223> Clone ID: 701039348H1

<400> 46611

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ctatcagaca gccagcctcc aaacttcgag aacaggtcgc tcgtcaacaa caggctgtgc 120
ttaaacagtt tgggcctggg ggatatggac gttcagataa tatggttact gatgaggttag 180
agttcagca acatcagaaa cttgagaagc tttacatatac aacacgtgct ggacagcatt 240
atcaaaggga tattgtccg 259

<210> 46612
<211> 241
<212> DNA
<213> Glycine max

<223> Clone ID: 701039349H1

46612

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aagcatgaca acatcattgt ccagcatcct tttcaaggaa attgcagctc gttcttcac 120
cgccccctcta actaggcct gttatcatgg aatgagatac tttgctactg tatcaaatga 180
tcctgacaca catgatgact tcaagccagc taataaactt gagaattcca acatttcttt 240
g 241

46613

<210> 46613
<211> 239
<212> DNA
<213> Glycine max

<223> Clone ID: 701039350H1

46613

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atctcggttc ctttttctg atataacaga tcaagctagc tgaagaagct ggaaatggtt 120
ccaaggcac tagtaccacc acctcctcca cttccaaat tctcaagacc aaaagcagaa 180
gagagtgtca caaaccgaga aattgccaag ttttggaggg aaaagaggat cgtggagga 239

46614

<210> 46614
<211> 238
<212> DNA
<213> Glycine max

<223> Clone ID: 701039351H1

46614

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ttggtttatac aggacctcct tacagggtat gagcttctct cggactcctt ccgttacaat 120
gaaattgaga atggaatgct gtggaaagtt gaggggaagt gggttttaa gggagcagtc 180
gatgttgaca ttggtgcaaa cccttctgct gaggggtggag aagatgaggg agtcgatg 238

46615

<210> 46615
<211> 235
<212> DNA
<213> Glycine max

<223> Clone ID: 701039352H1

<400> 46615

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atcaacatgg gtggggattc tattgttct catggtagac acgaaggttc ttgtttggag 120
gagaattttc ctttgcttcc atctcactcc tcacctgctc tcagggataa tttgggcttg 180
caggatgaag acaacagaat gaaagcggag aatgggttaa cttgttagtga aactg 235

<210> 46616

<211> 235

<212> DNA

<213> Glycine max

<223> Clone ID: 701039353H1

<400> 46616

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acgaagagga caaggttaac tgaatcgccg cttctgtgtg gcttcgttct ttctgttttag 120
ttttttcatc ttttagctt tagaggtaa tacattctt aaaaaaatgg aggttttgtt 180
gggtccccgt ttcaccatcg acgttccttc gtctccgccc cgggatggcg gttcc 235

<210> 46617

<211> 237

<212> DNA

<213> Glycine max

<223> Clone ID: 701039354H1

<400> 46617

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caatcgaaga gtgaggggaaa ttgtggagca gagttggaca gcagattaag ttcatcctta 120
tatgcatggg aagcttgaa ggcatgaatt tggttgcagt gatggcaact ataagaatga 180
tttgcaaac tcacatcacatt tatattctct gctgatatgc atgatagcat catctta 237

<210> 46618

<211> 235

<212> DNA

<213> Glycine max

<223> Clone ID: 701039356H1
<400> 46618

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tcatgtatg agcatttttg attggatgat tcaatgcata acattttgc tcttatttta 120
tacatgtacg gcataattaa ttacgtttta atacataatt tcaggacaaa ctttacagca 180
agtgcaccga gccaaacccc gcaaggctcg taccattacg gtatgataaa cacga 235

<210> 46619
<211> 236
<212> DNA
<213> Glycine max

<223> Clone ID: 701039357H1
<400> 46619

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tgaagcaagc tgacaagact aagggaaagct tggatggtgg aaatggaatc ggtagctgaa 120
aacctaatt accggcggt ggactacaag cgaccccca tcttgcatt tcctcgagg 180
ccgcctca gagttacatc cgagttcgat agtggaaagcg cagtcttctt ccataa 236

<210> 46620
<211> 236
<212> DNA
<213> Glycine max

<223> Clone ID: 701039358H1
<400> 46620

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cttcttctac cttcaagtt ttaaaagtat aaagatggca gagacattcc tatttacctc 120
agagtccgtg aacgaggac accctgacaa gctctgcgac caaatctccg atgctgtcct 180
cgacgcttc ctcgagcagg acccagacag caaagttgcc tgcaaacat gcacca 236

<210> 46621
<211> 74
<212> DNA
<213> Glycine max

<223> Clone ID: 701039361H1

<400> 46621

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tcattcaata cggtt 74

<210> 46622

<211> 146

<212> DNA

<213> Glycine max

<223> Clone ID: 701039363H1

<400> 46622

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ccacccaagg cgcgagcctt cgagcacggc ctcttgccga tcccgcgcct catttctcc 120

gaccggcgc aaaccctaat tccgtt 146

<210> 46623

<211> 240

<212> DNA

<213> Glycine max

<223> Clone ID: 701039365H1

<400> 46623

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aaagaccatc acccttgagg tgaaaagctc tgacaccatc gacaacgtca aggccaaagat 120

ccaggacaag gacggattc cccggatca gcaacgtctc atcttcgcgcg gaaagcagct 180

cgaggacggc cgtaccctcg ccgactacaa catccagaag gagtcaaccc ttcaccttgt 240

<210> 46624

<211> 239

<212> DNA

<213> Glycine max

<223> Clone ID: 701039366H1

<400> 46624

ctaaaacaag aaagtgttcg ttgaatctgt tgaaaagtgg gacttgattt gatttattca 60

cataaccaat ttatcatctc tccgatctt caatggattc tgacttctgg acctcggtc 120
ttgctgccgc taaacgccaa tacacgcttc agcatcacca tccaaattct cacttagatc 180
ggttgggcat cgatgatttt gatgtggaag aagaggtgag acctgatttt ctttgcccg 239

<210> 46625
<211> 236
<212> DNA
<213> Glycine max

<223> Clone ID: 701039367H1
<400> 46625

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cttcgttgtg ctgtgcttgc ttctctttta ttctttctat tagtattcgt ttcgtttct 120
ccgcccgttcc cgtagctcgg cttcagcagc accagaacca ggtgtctact atctgaattc 180
acatgtgctg ttattgtctt ccaattgggt gacatctgat tgaagagcaa tgcaga 236

<210> 46626
<211> 233
<212> DNA
<213> Glycine max

<223> Clone ID: 701039369H1
<400> 46626

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caacaaagct tcggatggct gcacccgttg tcctccaaat atgtgcaagg gtttaatcat 120
tgcataaacc aagattcaat ttccacaagag ggtaacaaga ggatgatcta tcttgggtat 180
ggtagtggtg actattgccc aagcttgagg ctaaaagaga gagactatat gat 233

<210> 46627
<211> 235
<212> DNA
<213> Glycine max

<223> Clone ID: 701039370H1
<400> 46627

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gcatgatggc caagtgtat ccaaggcacg gcaagtacat ggcttgcgc ttgatgtacc 120
gtggtgatgt tgtccctaag gatgtcaatg ctgctgtgc caccatcaag actaagagga 180
ctgttcagtt tggattgg tgtccaactg gattcaagtg tggtatcaac tacca 235

<210> 46628
<211> 123
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<223> Clone ID: 701039331H1

<400> 46628

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taaaactggtt tagccantcn aaacagacgg gctatgggtc gtggggtcag tgctgggtgg 120
ggt 123

<210> 46629
<211> 78
<212> DNA
<213> Glycine max

<223> Clone ID: 701039371H1

<400> 46629

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agaagctggg cggccatcg 78

<210> 46630
<211> 233
<212> DNA
<213> Glycine max

<223> Clone ID: 701039372H1

<400> 46630

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tccgaataga gctaagaggg tatagacatg gctagcgcaa ttgcagcttc tttttgggt 120
ctgcttctgg cttccccac tgtatttggc gctgaccatg aagttggta cactagtgg 180

tggccctcg gagttatta caacacctgg gcctctggga aaacttcac agt 233

<210> 46631
<211> 234
<212> DNA
<213> Glycine max

<223> Clone ID: 701039373H1

<400> 46631

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gacacacact cttccatct ggagtatagc tcactggctt gtacagttga aattgttagat 120
gatgtatttg ctgccattga ccacatacat caccatggaa gtgctcatac tgaatgcatt 180
gttgcagaag actctgaagt cgccgaagct ttcttaagtc aggttgacag tgct 234

<210> 46632
<211> 268
<212> DNA
<213> Glycine max

<223> Clone ID: 701039290H1

<400> 46632

gcaaccacaca aaagcagcac aagaacactc atcagatccc agtgatcaat tcaatttgcg 60
ttcatcaactg gtaaggcaaa catgaggggc attctttccg taaggacagc cttggttcaa 120
catcatagtg agaaattgtc cttggttca gagtatttag cactcagggt gttccactg 180
ctagtacccc acagccgcca ccaccacctc ctccgccccgaa gaaaacccat tttggccggcc 240
ttaaggatga ggacaggata tttactaa 268

<210> 46633
<211> 267
<212> DNA
<213> Glycine max

<223> Clone ID: 701039291H1

<400> 46633

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agaacattct agtctttgat cttgggttgttggaa ggacctttga tgtcagtatc ttgacaatttgc 120

ataacggtgt ttttgaattc ttgctacaaa tggagatact catcttgag gtgaggattt 180
tgatcaaaga ataatggagt acttcattaa attgatcaag aaaaagcatg gaaaggatat 240
tagcaaggac aacagagcac ttggaaa 267

<210> 46634
<211> 267
<212> DNA
<213> Glycine max

<223> Clone ID: 701039292H1

<400> 46634

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ttgggccacc gaccacgatg ctctcgagaa agccttctct caatttggcg aaatcgctga 120
atcgaaggtc atcaacgtcg tgaaaactgga agatccagag gttttggatt tgtgaccttc 180
gccacagagc aggcgatgag agacgcaatt gcaaggaatg aacggccaga acctcgacgg 240
tcgtaatata accgtgaacg aggctca 267

<210> 46635
<211> 264
<212> DNA
<213> Glycine max

<223> Clone ID: 701039293H1

<400> 46635

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ccaccaagga acgcgaaaac ttctgtctaca ccgccaagct cgccgaacaa gccgaacgct 120
atgaagaaaat ggtgaaagaa tgaagaatgt ggcgaactga acgtgaaata cacggtcgag 180
gagcgaaacc ttctgtcggt agggtacaag aacgtggtgg gtgctcgttag ggcttcgtgg 240
aggattctat cgtcgattga acag 264

<210> 46636
<211> 266
<212> DNA
<213> Glycine max

<223> Clone ID: 701039294H1

<400> 46636

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tactgggctg aggttaccgt tgcaaaccat aaccacttg ggaggcttga taactggagg 120
ttgagctgg actggataat gatgagtttataattcaat gaaagggct tatccttcgg 180
ttgtggatgc ttctgattgt ctctttgta agcaaggaac tttctatagg gatcttgact 240
ttgcccttgtt gttgaattgt gagaga 266

<210> 46637

<211> 269
<212> DNA
<213> Glycine max

<223> Clone ID: 701039295H1

<400> 46637

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atgattcatc ttccccttct tccggcacaa gctcaggtcg agaatccaca gaggtAACCA 120
aatattccaa cccaatccta gatacataag cgacatactc atggacgagg aagacgactt 180
ggagcgcaaa ccctgcatgt tgcaggaatg tttgagactc caggctgctg aagaatcctt 240
ccatgatgtc cttctccatc aaaaccttc 269

<210> 46638

<211> 238
<212> DNA
<213> Glycine max

<223> unsure at all n locations

<223> Clone ID: 701039296H1

<400> 46638

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.gatggttggg gtgttgctgt acttggggaa gtgccaaaca aagatgtgc attcaaaaact 120
catccagtga atttcttggaa gagaggactc taaagggtac cgtctatggaa nactacaaac 180
cccgcaactga ctttccttct gttgtggaga agtacatggaa tggggaaattt gactggag 238

<210> 46639

<211> 244

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<212> DNA
<213> Glycine max

<223> Clone ID: 701039301H1

<400> 46639

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tccattggca atacttgtga tgatatttagg cacaccatac tcttagtgctt ctggaaagaag 120
tgaaaagtaat gtgcaacagc tgttttctg tctcctaagt ttgaacttgg accgggatcg 180
gttggaaaata aatatgatta tgctattgtat ttccaagag gtcataatgc acttaagagt 240
ttca 244

<210> 46640
<211> 241
<212> DNA
<213> Glycine max

<223> Clone ID: 701039303H1

<400> 46640

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caagttcccc gagagacagc caattggac ggcggcgcag agccaagacg acggcaagga 120
ctaccaggag ccgacgcccgg cgccgctggc tgacccgacg gagttacgt catggtcgtt 180
ttacagagca gggatagcag agtttgtggc cactttctg tttctctaca tcactgtctt 240
a 241

<210> 46641
<211> 70
<212> DNA
<213> Glycine max

<223> Clone ID: 701039305H1

<400> 46641

cttcaggata tccattttaga aagtgtgtc ccaatgaaca aaacacactt aagacaatcg 60
ccacaacagc 70

<210> 46642
<211> 239

<212> DNA
<213> Glycine max

<223> Clone ID: 701039306H1

<400> 46642

atttgttttg atactatata ggaagaaaaga aaaactcttg accgggagtt agtcgtgcc 60
aaggtaacag caaacagagt agctgttagtg gttgcaaattg aatggaaaga tgctaattgac 120
aaagtgtatgc ctgtgaaaca atggcttcaa gaacgacgat tcttcaggg agagatgcag 180
caacttcggg acaagcttgc tataactgag cgaactgcaa agtctgaagc acagttaaa 239

<210> 46643
<211> 53
<212> DNA
<213> Glycine max

<223> Clone ID: 701039307H1

<400> 46643

cggtcgagc tcgagccgaa gtcggctcga gcgtgctacg aggataatc tca 53

<210> 46644
<211> 237
<212> DNA
<213> Glycine max

<223> Clone ID: 701039308H1

<400> 46644

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taatgttagtg ctgttggatt tctggccaag ctcttatgga atgagagtga aaatcgcttt 120
ggcagagaag ggaatctcat atgagtgcaa gcaagaagac ttggaagcta gaagctctct 180
gcttttagag atgaaccggg ttcacaaaat gataccagtt ttgattcata atggaaa 237

<210> 46645
<211> 238
<212> DNA
<213> Glycine max

<223> Clone ID: 701039309H1

<400> 46645

aagagaatgg ctcgcaaggg tttaatcttc ttggctgtgt tatgcttctc agcactgtca 60
ctgagtcgtt gtcttgcgga ggataatgga cttgttatga acttctacaa ggaatcatgc 120
cctcaggctg aagacatcat caaagaacaa gtcaagcttc tctacaagcg ccacaagaac 180
actgcttgct cctggctcag aaacatcgac catgactgtg ctgttccgcg ttgtgatg 238

<210> 46646
<211> 240
<212> DNA
<213> Glycine max

<223> Clone ID: 701039312H1

<400> 46646

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cttgcggctg tcgggtcatc gctgtttgt tgggtttatt tgtaatggaa cccttacat 120
agcaaacctt ggggattccc gggcagttt gggaaagagca gtcaaggcaa ctggcgaggt 180
tttattccatg caattatcag cagagcacaa tgcatcgata gagactgtac gacaggagct 240

<210> 46647
<211> 240
<212> DNA
<213> Glycine max

<223> Clone ID: 701039314H1

<400> 46647

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tgaattctga agctttgct acgtttctac cattcaggtt tgggttcccg aacgcgaaaa 120
tctaatactt ctttttagggt ttgtgctgga tgatctgcga gaatctatgt tctatccgac 180
ttcatttatac tcagtgaagt tttctgcgtc tccacgatgc aaatatagcg ttgcgttt 240

<210> 46648
<211> 241
<212> DNA
<213> Glycine max

<223> Clone ID: 701039315H1

<400> 46648

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ccctctctgc ttgaacatca gtctgtgaca tgtcaaaggt ttgggagaca tttgatata 120
agattgctgc tacaccaatg cctgagcaat atcaaaaataa aatggtttgg atcctgtgca 180
acgattgtgg taaaacttct cacgttcagt tccattttgt ggctcaaaag tgtccgaact 240
g 241

<210> 46649
<211> 240
<212> DNA
<213> Glycine max

<223> Clone ID: 701039316H1

<400> 46649

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cctcgccgta gctccgggtgg aagatctgcc cgtcctgctc ctcgtgcagc acctcgtcct 120
gctccagttc accatgctcc tcctccagcc cctgctcaga gcgggtggcgg atctatgctt 180
ggtggcattg gttcaaccat agctcaaggt atggcttttgc actggaaag tgcagtggca 240

<210> 46650
<211> 268
<212> DNA
<213> Glycine max

<223> Clone ID: 701039317H1

<400> 46650

cgcgtacgtc accgcatact gctcgactag cagctctcggt tgtttggag ttagggacct 60
tacgcagcca tggccactgc tacgaatgcc gcccggcccc caccacgcca gctctccag 120
aaggaagctg acatccagat gatgtggcc gccgacgtcc acctcggcac caagaactgc 180
gacttccaaa tggAACGTTA catcttcaag cggccaaacg acgggattta cattattaac 240
cttggaaaga cgtggagaa gcttcagc 268

<210> 46651
<211> 242
<212> DNA
<213> Glycine max

<223> Clone ID: 701039318H1

<400> 46651

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gttagctca attgattcag caagtgttg agtgagttat tgtaaacttt ctgatatctg 120
tcttcattt ttatgattaa aaaaatcaga gcaatgaatg ttttatattt aagctcaagt 180
tcaaggctaa gcatgtccaa gccgtttcaa ttctcaagta aacatcatca aagagcttct 240
ag 242

<210> 46652

<211> 238

<212> DNA

<213> Glycine max

<223> Clone ID: 701039320H1

<400> 46652

cgtcggact cgaaagtggg tttgcgtcgt cgtgaggttt aacgagacga tgacggcact 60
gtttctgttc ttcatctct tctctctcag ctatgcctcc gaacaaatct tccccgctca 120
tatcggtac atatttggtg gtggcggtgg tggccgctct cgcgAACCAA aatacaagat 180
tgaatttcat cccgaagatt tccctttca ccctgatgat gatcaggaat ctatagtc 238

<210> 46653

<211> 236

<212> DNA

<213> Glycine max

<223> Clone ID: 701039323H1

<400> 46653

ctagcagcgg aactctagct tgggcagcga atcacaatgg cgagaggatt gaagaagcat 60
ttgaagaggc ttaatgcccc aaagcattgg atgcttgaca aactgggtgg tgcatttgct 120
cctaaggccct catctggacc acacaaatcc cgccgaatgc ctgccactca tactcatttt 180
gcgaaaccgg ctgaagtatg ctctgacata ccgtgaagtc attgctattc tgatgc 236

<210> 46654

<211> 235

<212> DNA
<213> Glycine max

<223> Clone ID: 701039324H1

<400> 46654

cgccttctt atttttcattt ccaagaaacc actccaactc atcaacttcc ttagacttgc 60
ccaccctta tgctgcta at agtaatctca tcctcttgct atcattcaga ttgatttctc 120
tccttagcacc tcgatcaacg ggctaaaagt ttaaaactttg ctgcttaaac ttttcttca 180
cggtttgata catcttattt attttagtgc tatttcaaag gggcgaaatt tgaga 235

<210> 46655
<211> 268
<212> DNA
<213> Glycine max

<223> Clone ID: 701039289H1

<400> 46655

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cacagtggc tggcgccgg tggcggtgct attatgcgc gcggccggc cgtcgtgggt 120
ggaggaggcg gcgaaccgt acgaatggc tctggcgtgg aggccggaggt gttcgggtg 180
atcggggagt gccggcgtgc gttgaagttt gcttagttcg tgagcaggct cggaaagagt 240
taccaaagcg aggaagagat gaaggaga 268

<210> 46656
<211> 238
<212> DNA
<213> Glycine max

<223> Clone ID: 701039326H1

<400> 46656

ctccaatttggt atctgcagct acgatggta agggAACGGG gagtttccgg 60
aagaggagga acaagaccca caccctctgt gtgaggtgtg gcccggcag cttccaccc 120
cagaagagtc gttgctctgc gtgcgtttac cccgctgcgc gcaccaggaa atataactgg 180
agcgtgaagg ccattaggcg aaagaccacc ggaactggaa ggatgaggta cttgcgt 238

<210> 46657
<211> 134
<212> DNA
<213> Glycine max

<223> Clone ID: 701039328H1

<400> 46657

catcgcttgt cgcttctatgc attggtatca atccctcaccc tcgctttct ttttaccctc 60
atttccacaa gagaatccac cttcatcacc actgcaactt cttctgtgac tccctttca 120
aataatgctc agtt 134

<210> 46658
<211> 240
<212> DNA
<213> Glycine max

<223> Clone ID: 701039329H1

<400> 46658

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gtgtcggtgg gagcgaacaa gttccccgag agacagccaa ttgggacggc ggccgcagagc 120
caagacgacg gcaaggacta ccaggagccg gcgcggcgc cgctgggtga cccgacggag 180
tttacgtcat ggtcgttta cagagcaggg atagcagagt ttgtggccac ttttctgttt 240

<210> 46659
<211> 125
<212> DNA
<213> Glycine max

<223> Clone ID: 701039330H1

<400> 46659

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attgcatcag gagaagttga aactgcttct ggctctcatt ctgtcactac ttatagtcaa 120
cagaa 125

<210> 46660
<211> 273
<212> DNA
<213> Glycine max

<223> Clone ID: 701039258H1

<400> 46660

aatggcccaa atgacactgt tttcttattc tcaaccccaa agtagcaata aatagatgtc 60
tccaatttta ttcttcttga tcaaaagtgc tagaactaga aggttaggtt gagggcgata 120
tgaaggtaac caaagggaag gaactaaaat tgttctgaca aaacccttcc aattggaagg 180
tgaatcagat ttagaaccgt cttatagagc tcccaatctc ctacatcgct tgttaagtt 240
actcaagaac gtgcggccag gatcagatct cac 273

<210> 46661

<211> 272

<212> DNA

<213> Glycine max

<223> Clone ID: 701039259H1

<400> 46661

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gtttccaaac tcctctgccc aacagaggat gccagtggtt ggaatggat ctgcccctga 120
cttcacatgc aagaaagaca caaggaggct atcattgagg ccgtgaaaca gggttacaga 180
cacttcgaca ctgctgctgc ttatggctct gaacaggctc tcggtaagc tctcaaggaa 240
. gctatccatc ttggcctcgta ctcggccaa ga 272

<210> 46662

<211> 273

<212> DNA

<213> Glycine max

<223> Clone ID: 701039263H1

<400> 46662

gctcaacaag catcaccaag gagtacactg agtccaagaa gcattcagag tgattcaatt 60
gatttgccaa ttgatggagt ggtggatacc tcaattgagc aattgtatca caatgtgtt 120
gaaatgagga gctctgatca ttccccctcaa gggctagttt ctactcttat gattatgatg 180
gcgagtcag gattgattca gaactaggcc atcttgctgg tgatattgtg gatttggaga 240
tcacaaagga ggtggttaca gagaataaag agg 273

<210> 46663
<211> 276
<212> DNA
<213> Glycine max

<223> Clone ID: 701039264H1

<400> 46663

gaaaaagggtt gcagaaaagca acatagatac gccggataaa ggtgggtgggt cttcaccttt 60
agagccccag gttgttcccg catagatata gttgttaat ttgtgttgt tattgtacat 120
ggctttcatc tttttcaat ttgcgacaga gggacaaaca aaacgcatat gataaccgct 180
aaataagaat tattcgtttc tgattttct tatatgaata taccatagac tggccaatcc 240
caatactatt ttcaagtgggt cgagccttgt tactct 276

<210> 46664
<211> 178
<212> DNA
<213> Glycine max

<223> Clone ID: 701039265H1

<400> 46664

aaaaaaagaga gagagagaga gttaaaaaac aagaagcgaa aaatgaaacg atattgcgaa 60
tttaggaattt catgaggcgg tagcaatgca ggaggggatg atgacgagaa tgggattgaa 120
aggcctatga ctcattccaa atattcccg tttgaattat tccttgagtg cgtgatcg 178

<210> 46665
<211> 269
<212> DNA
<213> Glycine max

<223> Clone ID: 701039266H1

<400> 46665

gttctgccca agggagaaat gaaattagct tttggacaaa atatgaaact tggaaacatga 60
aaaactctaa agtctttcc gggtgccgag gttacaaatt ctcaaccact atggtctgtt 120
atacatcata ctatcatagt ggtctatctt ggaaacaata tgcccttctg cttatTTTgt 180
tactcacatt ttgcttggag attgacttat tgaactaaac tccttgatc ctttgactta 240

agcctcctaa tagcatccag gatattggc

269

<210> 46666

<211> 271

<212> DNA

<213> Glycine max

<223> Clone ID: 701039268H1

<400> 46666

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agaggacgga tgtggcatac gtgactctat tgtacggaga tgaatttttgggtgttc 120

gagttctcggtt caaatcgata cggacacggg atccaacaaa gacatggctg ttttggtctc 180

tgtatgggtgc tctgattatg ccaataccct tctccaggct gatgggtgga tagttgagaa 240

gattagttta ctggcaaatac ctaatcaagt a 271

<210> 46667

<211> 271

<212> DNA

<213> Glycine max

<223> Clone ID: 701039269H1

<400> 46667

gccagccctt cctccatttc ctccatataa aactcttct caataaccag atatttcatt 60

gcatgaatat tcaaaaaaca atggccatgc tcaatatcat ctccattctc tctctttac 120

tcactcaatc ccacgccaaa ataccggcgt ctattccgggt gggccatggc aaagcgctca 180

cggccactttc tacggtgca gcgacgcctc aggaactatg ggaggagcgt gtgggtacgg 240

gaacctataat tcccaaggct acgggtgtgaa c 271

<210> 46668

<211> 275

<212> DNA

<213> Glycine max

<223> Clone ID: 701039270H1

<400> 46668

cttcaatcct cagtttcttt cttcaacgtt tccatcatac acagatccca atcctctctc 60

aagcccta at ttccc tcat ttccatggcc acagaagagc ccactgtcg c ggtgaa accc 120
gctcccgAAC ctgcctccgc cgacccccc cggaggagaa ggaggagacc aaacctgaag 180
ccaaggctaa gaaaaccaag gagcccaa ac ctaaaaaggt ttccagacct cgcaaccctc 240
ccactcatcc ttcc tacgaa gagatggta aagat 275

<210> 46669
<211> 272
<212> DNA
<213> Glycine max

<223> Clone ID: 701039271H1

<400> 46669

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aacagcgtta gatggaaaaaaa ta a a a a g c a t g g t t a t g a c a t t a t g a 120
ttatgaagct cctggtcgtt gggcacaacc atggcttata gtgctgatgg tacaaggctc 180
ttttcctgtg ggacaagcaa agatggggaa tc atccattt g ttgagtggaa tgaaagt gaa 240
ggagctgtta aaaggactta ccaaggattt cg 272

<210> 46670
<211> 272
<212> DNA
<213> Glycine max

<223> Clone ID: 701039272H1

<400> 46670

agcaacttca ggttttaag tcttgccctc ttggcattga ttgcattcatc tc atgctcaa 60
cttcagcttgc gctttatgc caagagttgc ccaaaagctg agcaa atcat tttgaaattt 120
gttcatgaac atatccacaa tgtccatcac tagcagctgc attgataaga atgcactccc 180
atgactgttt t g t a a g g g g a a g t g a t g g a t c g g t g c t t c t g a a c t c a a c a a c c a a t c a g g 240
ctgaaaagaa tgctcccca aatctcacag tt 272

<210> 46671
<211> 270
<212> DNA
<213> Glycine max

<223> Clone ID: 701039273H1

<400> 46671

aacaaacaca aaccgaaaag gcgaaagggg tttccgagt gagatctagg gttccatcg 60
attcggagag agatattga tcgaacgacc tcagcgagca aggacaggag gtggagtact 120
agatcatgga ttccgtgcct tgaattcgca tgaaacctc gatgaggcaga tttctcagct 180
catgcagtgc aaacccttgt ccgagcaaga ggtaagggtc ttgtgtgata aggcaaaaga 240
gattttgatg gaagagagca atgtacagcc 270

<210> 46672

<211> 271

<212> DNA

<213> Glycine max

<223> Clone ID: 701039274H1

<400> 46672

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attcattgga gatcttgatt tttgaatttc tgtggctcgt taatttatta acggcaataa 120
atattattac tactaccta tgtaaaatga attgtgtgta tattttgtct ttaataccat 180
atttaccctc caattttcc aactattatc cttctttcc acgcccacg ccaatcgta 240
ctcattcagc gcgattccgc cgagaaacgc g 271

<210> 46673

<211> 265

<212> DNA

<213> Glycine max

<223> Clone ID: 701039275H1

<400> 46673

cgttgttcct gctttggct ggtctctcag ctctgataga ttggcaccga ttctgggtgt 60
gagccaaaaa agctttctt tgtttctct gttttctt tcggcaaagt agaagatatt 120
tgtgatttc ttctgtaat gaattcgagt cgttgctct ggcttcggtg ctgtgttt 180
tgttggcaca agttattggt ccaattgaaa taaaagagtt tgagtgaaaa ggagacttag 240
actgtgtggc ctggccatgg agaat 265

<210> 46674
<211> 270
<212> DNA
<213> Glycine max

<223> Clone ID: 701039276H1

<400> 46674

agaaaaacga acaagaaaaa atcgatgag ctatacattt ctttagcagaa acttcaccgg 60
acctgagaat tgagaaaagtg tagtttgagt ttcacatcaa aagattgtgt gtaagaagcg 120
ttttcttcag atcgatggaa atcttggat tgatctaaggc tgccgcgtt gatctctccg 180
ccacggccag ttaccggaga aggactgctt gctccctctc atttccaaac tcctcggcta 240
cgccatcgtc gcggcttcca ccaccgtcaa 270

<210> 46675
<211> 269
<212> DNA
<213> Glycine max

<223> Clone ID: 701039277H1

<400> 46675

taccaattag cctaaaaaca ctcacaaccc aacccaagtt tttcagttt ttctttccc 60
aaagagtttt gttttgtcta ttgttctcat ggggggttt gaacagcaga tgaaggatag 120
agccaaggag ctcaaggatct gctcaagaaa ggggtgaaga ttgtgggaga ttcatgcaag 180
aagggttggaa acaaagtcaa acacatcaa cgctagctga ttagtgattt gtaatcattt 240
gttgcattggc ttattatccc aaagtctct 269

<210> 46676
<211> 271
<212> DNA
<213> Glycine max

<223> Clone ID: 701039278H1

<400> 46676

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cagccacggc tgagaaaata gctcgcttc acgatccagc gattccgctc tccaacggga 120

ctgcgcaggg tgaagaatcg aaggccagcc gccgggtgaag aatcgcgca ttactctgga 180
aatcgcgctt ccagcacgat tcatgcccga tacagagatt taaccacgat tcaggaacaa 240
aacgagaca acctccgatt cgtactggta g 271

<210> 46677
<211> 65
<212> DNA
<213> Glycine max

<223> Clone ID: 701039280H1

<400> 46677

gggattcggc tcgaggtttt ggagaccctt acgcaaaccctt ctccctgtcg ctccatccac 60
gcggc 65

<210> 46678
<211> 271
<212> DNA
<213> Glycine max

<223> Clone ID: 701039282H1

<400> 46678

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caatggcttt ctttgttata attggaaatt tattaagaca gacagcaagc aggcaggta 120
gttcagaatt gcgatcatcc cttccctttt tcaggctata cgcaatgtatgt catctgctcc 180
aagcacaaag ctgttatcg gaggtgtttc atattctact gacgagcaaa gtttgaggga 240
agcttttca aaatatggtg aagttgttga t 271

<210> 46679
<211> 270
<212> DNA
<213> Glycine max

<223> Clone ID: 701039283H1

<400> 46679

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ttgaacctgc acttggttta ttggtttgg ctctgtttct gcacttgcgt cccacaccca 120

ctgcaaaatc aaaagcac tt gccatctccc aaacccacca agcccaaagc ctctgtctccc 180
cttcata tagga cacccatc tctaaaaga caaacttctc cactacgcac tcatacgacct 240
ctccaaaaaa catggtccct tattctctct 270

<210> 46680
<211> 271
<212> DNA
<213> Glycine max

<223> Clone ID: 701039284H1

<400> 46680

gttttatgttag ctattggtca aaaagcatct tctgtggctc aagtggtaaa taccttacaa 60
gaaagaggag caatggaata cactattgtta gtagctgaaa cagcggattc tccagctaca 120
ttacaataacc tcgccccctta acaggagcag ctctggctga atattttatg taccgtgaac 180
gtcacacactt aatcatttat gacgatctct ccaaacaaggc acaggcttat cgccaaatgt 240
ctcttctatt acgaagagcca cctggtcgcg a 271

<210> 46681
<211> 270
<212> DNA
<213> Glycine max

<223> Clone ID: 701039285H1

<400> 46681

aaaatctcgaa attagggttc tgatttaac taatttccg ttttgatgg actttcaat 60
ttgggtaatc cgatgaatga tgatgattca tgatttgcata agtgattgtg gaagctcaac 120
agagggattt gtactgttagt agggcttagga gtcctgaaa tgtatatgcc tgtggctacc 180
tctgccacgc tgcgcggcgg attgcctact gacagtgggg actctgttgt ggcattagac 240
caagttcctc gatggaatga tgctgatcag 270

<210> 46682
<211> 272
<212> DNA
<213> Glycine max

<223> Clone ID: 701039286H1

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aatgggcgtc ttcaagcgaaa acccgaaatcc ggaccgggtt gtgatccgcc aggtttggc	120	
ttcaaatactc gaatccgaat ccaactcatc cgcgaaactca tcgaccacta tcctttatc	180	
tcgatggaca cagaattccc cggtgttgtt ttccgaccac acctggaccc cacaaccc	240	
tacaaccacc gcaacaacaa tcgcaaccgc ca	272	
<210>	46683	
<211>	268	
<212>	DNA	
<213>	Glycine max	
<223>	Clone ID: 701039287H1	
<400>	46683	
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gcataatacg ttaagcttca agtaactcgg ctgcagcagc tggttacgt aatgcattca	120	
gtctctctga gaaacaagct aagctttct ggacattagc ctaagaagac tgtccctcg	180	
tgagagtgga aactttgtgg ctgaaagtaa atctttgatg gaacaaattt ccaagttaga	240	
ggaactgttg tccagcagga aaaatata	268	
<210>	46684	
<211>	274	
<212>	DNA	
<213>	Glycine max	
<223>	Clone ID: 701039257H1	
<400>	46684	
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ttgccttcct tcacttcagt tagctgagtg tgggttaag cactttcctt ctcccttggg	120	
tagttatgtc atcagcacct atgccgacaa caacaagggtt caaaacaaag gcctttatc	180	
ttcttcttct tcttcttctt ctgtgaggat agaggaagag atcatgaagc agggcatcat	240	
aaccattttg aactcaaaca caaacacaaa caca	274	

<210> 46685
<211> 280
<212> DNA
<213> Glycine max

<223> Clone ID: 701039222H1

<400> 46685

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accgtttgct tgcttcgtgt atgtacattc tctccggagg caccgtcgtg agctcttctc 120
tctggtaggt ccgtgttgct gaaacctttt gacctttcca ataaaggcatt tgtttcaccc 180
tatcaatgag aggaaccatt ggaataagga ttccaaaccc caatattcc aatgccacca 240
aaaaaacccct agttccattt tctacatctt ccgggtttgg 280

<210> 46686
<211> 280
<212> DNA
<213> Glycine max

<223> Clone ID: 701039223H1

<400> 46686

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tcagtgtctc tctcagttga gtgccttact tttaacgcag gtacaaagaa ggaagaagca 120
cgcgtggggg tgggttgaa tatatggcga aagagtagca gtaggagagt tgggtgtt 180
ggtgttatta ttgttggcac caaagacaaa ggcaatgagc ataacaagag gtcataataa 240
aagcaggggc aaagagtccct ctggttctag tggatgagggg 280

<210> 46687
<211> 274
<212> DNA
<213> Glycine max

<223> Clone ID: 701039226H1

<400> 46687

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gacttggaga ggtatggacta ttctttagt agacatcctg agttccgttta taaaacagag 120
tttcagagtc atgagcctga gtttgatatc ttaagagttt ggaaatagaa gagaaaatta 180

acaaaatcaa atggtgccaa acagccaatg gtgcTTTgtt cttcttatcc acaaatgata 240
acaccatcaa atTTTggaag gttcaagaaa agaa 274

<210> 46688
<211> 275
<212> DNA
<213> Glycine max

<223> Clone ID: 701039227H1

<400> 46688

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tctatagcta attaacttaa ttatTTTcat ccctctactc ttcttctctc ctctaaactc 120
tctttccat tcttgcttcc tttgtggttg tctgagttt ctttcTTca atttaattga 180
aagatggctt gcttggtatac tcgctcagga aggaaattgc agaggtacaa caacatgggt 240
ggccggcaag ttgttgggtg agttcggtcg ctatt 275

<210> 46689
<211> 275
<212> DNA
<213> Glycine max

<223> Clone ID: 701039228H1

<400> 46689

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ctcggAACCA CCTACTCTTG CGTCGTGTGT ggcaACATGA ccgcgttgAA atcatGCCA 180
acgaccaagg gaacagaacc acgcccgtctt acgtcggtt cactgacacc gagcgtctca 240
tcggtgatgc ggccaAGAAT caagtCGCCA tgaac 275

<210> 46690
<211> 276
<212> DNA
<213> Glycine max

<223> Clone ID: 701039229H1

<400> 46690

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tttcttgctc ttgcttaggc tagttaaaaa tcactAGGCA aaatcgAGTC acaAGTTGCC 120
ccctggtcca tggAAgTTAC ctatcatGGT AACCTTCATC aggtAGCAct agcAGCTCA 180
cttccacATC atgCTCTCCA AAAACTTGCC CGTAAATATG gacCTCTCAT gcACCTCCAA 240
cttggtaaaa tttcaacact ggTTGTGTCC TCCCCC 276

<210> 46691
<211> 278
<212> DNA
<213> Glycine max

<223> Clone ID: 701039230H1

<400> 46691

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CGAGTCCGGG AACCGCACGT GCCCAGTCAC CAAAACGGAG TTGACAACCT TCAGACATGAT 120
CCCGAACACAC GCCATCCGTA GGATGATCCA GGACTGGTGC GTGGAGCACC GTTCCCACGG 180
CATCGAACCGG ATCCCCACTC CTCGTATCCC CGTCACCCCG TACGAGGTTG CTGACACGTG 240
TACGAGGATC TTGTCGGCGG CGCAACACGG GGACGAGA 278

<210> 46692
<211> 257
<212> DNA
<213> Glycine max

<223> Clone ID: 701039234H1

<400> 46692

gaaACGACGG AGACTAAATC TCTAAAACGC TTGAAACCCt AAAACTCTGT GTCCTCCGCC 60
GTTcacatca TTGTCGACGT TCGTTCAgTT GCTCACACTC TCAACAGAGA AGAGAAGAGA 120
GATGAGAGGA AGGAGCTATA GTCCATCCCT CCTCCTCCAC GTTACAGCAG AAGAGGAGGA 180
GGGAGGAGTC CCAGCCCTAG GGGCCGCTAT CCTCCCCGTC CCCGACAACA AGATCTCCCT 240
ACCAGCCTTC TTGTTCG 257

<210> 46693
<211> 275

<212> DNA
<213> Glycine max

<223> Clone ID: 701039236H1

<400> 46693

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tcacttaggtt gcaatgccaa tttcgcatgtt atgtccaaat atccattccg ttccctcaaatt 120
cgttagcgtgc acccgcaacg acaaaaacgga tcgaaatccg tttcggggag acccaagggtg 180
agccctcaac tgaaccgttg gtccagagcc cgagccgtac ggttcggtca gaaattggac 240
cggtccagta tgcgaaactca gctaccggaa cccaa 275

<210> 46694
<211> 279
<212> DNA
<213> Glycine max

<223> Clone ID: 701039237H1

<400> 46694

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ccgtacaaag caaactgctc gtaagtcaac tggaggaaaa gctcccagga agcagcttgc 120
aaccaaggct gcacgtaagt ctgcaccaca actgggtgtt gtaagaagcc tcatcgatat 180
cgccctggaa ctgttgctct tcgtgagatt aggaaatacc agaagagcac tgagctccta 240
atcaggaagc ttccctaccca gaggttggtt cgtgaaatt 279

<210> 46695
<211> 275
<212> DNA
<213> Glycine max

<223> Clone ID: 701039238H1

<400> 46695

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aagataaaac ccaacaactt cccagaaaaat gaccaggcttc tcagcttcat cgtctccatc 180
cacttcaaattt aacatagttt cagcaaaagt aactagcctt gaacctctaa caatcaatga 240

ccttttagtt gggggagatc catcagccata gatga

275

<210> 46696

<211> 276

<212> DNA

<213> Glycine max

<223> Clone ID: 701039239H1

<400> 46696

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tcttcagcga aaacccgaat ccggaccggg ttgtgatccg ccagggttgg gcttcaaatac 120

tcgaatccga attccaactc atccgcgact catcgaccac tatcctttta tctcgatgga 180

cacagaattc cccggtgttg tttccgacc acacctggac cccacaaaaac cctacaacca 240

ccgcaacaac aatcgcaacc gccactccga ccacta 276

<210> 46697

<211> 278

<212> DNA

<213> Glycine max

<223> Clone ID: 701039240H1

<400> 46697

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ccctcaggca ttgccagttt taaagttagtg gttcaacgag caattatccg tgagcgacgc 180

atcggagcat ctcttctgctg cttgcatttc catgattgtc tcgtaaatgg gtgtgatgga 240

tcaatattgc tagatgacac ccgaaacttc actggcga 278

<210> 46698

<211> 277

<212> DNA

<213> Glycine max

<223> Clone ID: 701039241H1

<400> 46698

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tgtggcagag gaaaggttt gcttgacccc aatgaagtca acgaaatctc catggccat 120
tctcgccaaa acataaggaa gctggtaagg atgggtttat catcaggaag cccaccaaga 180
ttcacactctcg ctcacgtgct cgtcgaatga aggaagccaa gaggaagga cgtcactctg 240
gatacggtaa gcgtaagggt acaagggagg caaggct 277

<210> 46699
<211> 273
<212> DNA
<213> Glycine max

<223> Clone ID: 701039242H1

<400> 46699
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atccttcgtc tcgtccacgc ccctgccgtc ggactcatgg cgcccttgca cccaggccaa 120
cgccactccc ttccctgacct tcgtgctgag cgtgtcggcg cctccgtgta tgtggcttgc 180
tccggcgtcc atatggccgg cgagtccgac ccgaactgga gaaatttgac tcctttgtac 240
agcatcggcg gcctgcctct gtttcgtct cg 273

<210> 46700
<211> 172
<212> DNA
<213> Glycine max

<223> Clone ID: 701039246H1

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ctatcaatat aatcaagtca cctatagttc cttaattat agacttgata atgcacaaca 120
ggttttgtatc atctatatttc ttattaccta ttttcttca atttttagtgg tg 172

<210> 46701
<211> 275
<212> DNA
<213> Glycine max

<223> Clone ID: 701039247H1

<400> 46701

gaaaggagga aaatattaaa gctcttgcaa ttctcatgaa ctgtggagtc gtgttgggtt 60
tctattttg gggttgggag ttcttaactg cccttcttct cttctctcat caaccttatt 120
gatcattctc ttcttcctct tctttcaaa aaccaatttc tttttataca aataaagaag 180
ataccaaaga aaaacatagc aaaaaaatac aaataaaaaaa atggaaggac caagcaataa 240
ggggttgggaa gaatgtggaa ggaagtgcac tccac 275

<210> 46702
<211> 186
<212> DNA
<213> Glycine max

<223> Clone ID: 701039248H1

<400> 46702

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acatctgaag gtggtcgccc cgtagttgct cggcgctc ggtggcaaca acagcccctc 120
cgccgatgtc atcaaggaaa tccttggtcc gttggagtag aagcagatga agataggatt 180
gaatcg 186

<210> 46703
<211> 274
<212> DNA
<213> Glycine max

<223> Clone ID: 701039249H1

<400> 46703

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atatcgagcg aagatctagc ttccggactg aatccccctt agcaagagag gcaggaaatg 120
tgcctgaaac tgggtcactc tctatgttgt gcttggcgct tctggggatc ttgctaagaa 180
gaagacattt cctgcacttt tccatctata ccggcaggga ttcttaccag cagatgaagt 240
tcacattttt ggctatgcaa ggacaaaaat atct 274

<210> 46704
<211> 277
<212> DNA
<213> Glycine max

095311032200

<223> Clone ID: 701039250H1
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aaagtggtag tggtcgagaa ggccctcaaa aaggttaaaa gccttccaaa gccagttctg 120
aatcacgaac acatcctcaa gaagaactct ctttggggt aaacaattta ccctccactt 180
tttggagtag taagccttag caggaggatg ttgccgtgga cgcaaggaa gctcaagttt 240
aacacctcac atattaacac ttgcacttca cgtgact 277

<210> 46705
<211> 277
<212> DNA
<213> Glycine max
<223> Clone ID: 701039252H1
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gggaaacacg gagaagctga tgaaccagat catggaattt aagttcacgt cggaaatcgct 60
gcagcggcaa tcgcgttaagt gcgagaagga ggagaaatcg gagaagctga aggtgaagaa 120
ggcgatttag aaaggcaaca tggacgagcg cggatctacg cggagaacgc gatccgttaag 180
cgcacggagc agatgaacta cctccggctt gcctcgccgc tggacggcgt cgtggctcgc 240
ctcgacacgc aggcaagat gacgacgatc agcaagt 277

<210> 46706
<211> 265
<212> DNA
<213> Glycine max
<223> Clone ID: 701039253H1
<400> 46706
tgagggctt tggtggattt gccccagaga ataacatgtat tctcgagtac aagtgcgc 60
tggatagaa taataatttt gttgggttag cctatccgaa tggtttatgt taataatatg 120
tttgcttatg atttgcaag tgtaattgtat tgcatctctc attaatgctt taggcagga 180
catattctgt tttcttaggaa catgaatgaa tgttagtataa ttttgttaa aaaaaaaaaa 240
aaaaaaaaaa aaaagggggg gcccc 265

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<210> 46707
<211> 273
<212> DNA
<213> Glycine max

<223> Clone ID: 701039255H1

<400> 46707

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cctgtcacta acagtaggga tacacaagag gttatgttgg agcctggct gaaattaatt 120
aaaatttca aggaatatac cagcagacat gcattttgga tgatttggc ttctatgagg 180
ctcgtcagaa aactatttg gagaagaaag caaagcaaca attcccaaag caggtatggg 240
aaggaaacc tgctgatgag aagattgaga taa 273

<210> 46708
<211> 283
<212> DNA
<213> Glycine max

<223> Clone ID: 701039221H1

<400> 46708

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ccacaacatc acccgcatgc ttgccaaca ccccggttc tccacctca accactacct 120
ctccctcacc cacctcgccg aagagatcaa cggcccaaga ccatcaccgt cctggccctc 180
gacaatgccg ccatgtcctc ctcctcgac aagcacctct ccctccccac cataaaaaac 240
gtcctctccc tccacgtcct cgtcgactac ttggcgcca aaa 283

<210> 46709
<211> 261
<212> DNA
<213> Glycine max

<223> Clone ID: 701039175H1

<400> 46709

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tgatttctct cgtctccttt agaattccga ttggatttc taacactgtg aaagacagag 120

agatatggca ggaggtggtg gagctccagc acctaagatc gatgagccac agccacatcc 180
accgaaggat cagctaccga atgtttctta ctgcattacg agtcctcctc catggcctga 240
ggccatactt cttggtttc a 261

<210> 46710
<211> 246
<212> DNA
<213> Glycine max

<223> Clone ID: 701039176H1
<400> 46710

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agttagtaag ttcttcagg caggaacttt tgacctgtg ggcactatta tatacgagat 120
agatgaccat ccatatcata tttcccttttga taatggcact gttgagggttgc tgaatctgg 180
gctttcttag catggaatcc gttttccctt tactttgggg ttgatccctgt ctctgggta 240
ggatct 246

<210> 46711
<211> 257
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<223> Clone ID: 701039177H1

<400> 46711

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ggcgtcatca tgaaaattca tgcgtccatt caagccatca acagtaggac tttccatgg 120
tttattattt aggagcaaattt aatcaatcag tttcttttga ttttggcattc cttagaatgag 180
gatagtgtatg atttaggcct tgatacatct ttttgcatt tcgcaatggc tntcatttat 240
ttttttcggt gtcagtt 257

<210> 46712
<211> 252
<212> DNA
<213> Glycine max

<223> Clone ID: 701039178H1

<400> 46712

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ggatttccat gccactgcag caaattctac ttcttggtaa aacaaacatg ggcgatgtca 120
tgggtggga tataggcagc cgtgaaagga tcgcacaaag aaattttaaa gtctggAAC 180
ttggagcatg ctctgtggcg ttacaagcat ctcttccaa tgattactca gcatcaatca 240
atcggttgtt gt 252

<210> 46713

<211> 259

<212> DNA

<213> Glycine max

<223> Clone ID: 701039179H1

<400> 46713

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ggtgataggg tttgtgattc tgatatacg atgagtgaga gtcacggaa cagcaggagg 120
cgaaatgtt aagatcaaga tctggactg tacttcttgg aggcgtgcag gggtagggag 180
atgacagaca aagaggaaga ggcagaagaa gaagaggagg aggaggcacc agggagctca 240
acaccattaa cagctctgg 259

<210> 46714

<211> 270

<212> DNA

<213> Glycine max

<223> Clone ID: 701039181H1

<400> 46714

gaaatgcaca gtaactaac atgtctgctt cttctaattgc caatggcca tttgagcatc 60
ctagcttgca tgtaaatgca attggttac acaggaactg tgaatttagac acagccccag 120
tttcatgggg ggatgttgct tgtgataatg atgctttga aaaaaatgaa tctgcttcta 180
tatctagaga acatactgtt ttgagcagca acactggact acgatcccat tccaactcta 240
acttaaggac tactatttcc tctgatcatt 270

05514131000

<210> 46715
<211> 263
<212> DNA
<213> Glycine max

<223> Clone ID: 701039182H1

<400> 46715

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tcagaaaaatg ttgtaatga gagatgtgtta ttgcttagcag tttgactgca cagttgaatt 120
agtatgctac taaggggatt ctgctggatg tcaaattatgtt ttaagattt gatatacagt 180
aaaaagaaaat tggagactat ggaagaacta cagtctcaat cagataatta tagatctcg 240
tcatcgctcg cacgcagccc ggc 263

<210> 46716
<211> 266
<212> DNA
<213> Glycine max

<223> Clone ID: 701039185H1

<400> 46716

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tgagccagac atgtacagga acgctgcttc acgtcttagg gtcatcagtccc cccgttcgtg 120
cagcagcagc aggataacctg ccagtgccag atttgcatttgc tccgttgcca cacaacaatc 180
ctcttctgggt ttgggtgggtt tatttggatg gctcaactggacaccgatcca gttctttacc 240
atctctggat ttcccgcttc cgggcgc 266

<210> 46717
<211> 263
<212> DNA
<213> Glycine max

<223> Clone ID: 701039186H1

<400> 46717

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tctatcggtt accactttctt cccctgatgg ccgcgttttc cagatcgagt atgcccctaa 120

agccgtcgac aacagcggga ctgttattgg gatcaagtgc aaagatgggg ttgtgttggg 180
cgttgagaag cttattccgt cgaaaatgtat gcttccgggt tccaatagaa gaatacactc 240
cgttcatcgt cactctggga tgg 263

<210> 46718
<211> 266
<212> DNA
<213> Glycine max

<223> Clone ID: 701039188H1

<400> 46718

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ttcaactgat cccagccccct ttgtctccat ttttgccta tttactttgc aagtggagga 120
tattgaggct tattatggtg catatgctgg attctcaatg atgaacattt agggactata 180
ttttgaccct agggaaagttt cttcatgaag ctttttcagt tgtataagca ggatatttac 240
caccagtccg taaaggattt tggttg 266

<210> 46719
<211> 261
<212> DNA
<213> Glycine max

<223> Clone ID: 701039189H1

<400> 46719

gcctcgaaaca cggcattcag cctgatgggc agatgccaag tgataagact gttgggtggag 60
gtgatgatgc tttcaacacc ttcttcagtg aaactggggc tggaaagcac gtgcctcgtg 120
cgattttgt agatctcgag cctactgtga ttgatgaagt taggactggg acataccgcc 180
aactatttca tcctgagcag ctcattagcg gaaaggagga tgctgcaaac aactttgcc 240
gtggccacta taccattgga a 261

<210> 46720
<211> 74
<212> DNA
<213> Glycine max

<223> Clone ID: 701039193H1

ESTIMATE

<400> 46720
ggagtttgg ggtgttggagg tgaaaagtgg ataatctcgat catctctcgat atcaaccttg 60
agagattctc cact 74

<210> 46721
<211> 177
<212> DNA
<213> Glycine max

<223> Clone ID: 701039196H1

<400> 46721
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cctcgctgag ttcaagaccg gcgcgcaccg caaggcagcc gccgagagca cgctctccgc 120
ctacaagcc gctcaggaca ttgcttaaacac cgagctgcct ccaactcacc ctatcag 177

<210> 46722
<211> 92
<212> DNA
<213> Glycine max

<223> Clone ID: 701039203H1

<400> 46722
gtttctactc tcacaactgt ttatattctg cctcttctca actgtgttcg tgtgtatgca 60
tttgagttga aagccagact caaggagctg aa 92

<210> 46723
<211> 282
<212> DNA
<213> Glycine max

<223> Clone ID: 701039206H1

<400> 46723
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tagtcaaaag agtcatgaga cacgtaagac aatcaaatgg tttaagaagt ttttgagat 120
tttggatggc ttgactgttg aacagataaa taaccagaaa gacagtggca ttgtccagct 180
tgccaaggtg gtcctggagc tattgattgg tacagaggac tgcagccctt ggtgacacat 240

gccaaaacaa agggatctaa aagggtgaag attcacaggg ag

282

<210> 46724

<211> 277

<212> DNA

<213> Glycine max

<223> Clone ID: 701039207H1

<400> 46724

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atcgagtgac cagaacaatg ttggagctt agttgttgtg aaatctgatg cgaataaggc 120

aattgcaggg attattactg aaagagatta ttaagaaaaga tcatcgtgca gggaaagatca 180

tccaagtcta tcaagggttgg agatattatg actgaagaga acaaacttat cacagtcacc 240

cctgataccca aagttctaca ggctatgcaa ctgatga 277

<210> 46725

<211> 280

<212> DNA

<213> Glycine max

<223> Clone ID: 701039210H1

<400> 46725

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atgtccgaaa agcggaggag acaacaactt gatccacttg atgctacacc cacaagagtt 180

gacaccacat actacacgga tttgctgcac aaaaagggtc ttctccattc tgatcaagag 240

ctgttcaagg gaaaaggcac agaaagtgc aaattgggtgc 280

<210> 46726

<211> 278

<212> DNA

<213> Glycine max

<223> Clone ID: 701039211H1

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tgtggccgtt cttggcagca gtgagggtgt cactggaact attcacttcg ttcaggaggg 120
aagtggtcca accaccgtaa ctggatcctt gctggtctta agcctggtct ccatggtttc 180
catgtccatg ccttggggga cactaccaat gggtgcctct caactggatc acatttcaat 240
cctaataaca aggagcatgg tgccccgtac gatgagaa 278

<210> 46727
<211> 278
<212> DNA
<213> Glycine max

<223> Clone ID: 701039213H1

<400> 46727

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ctgagatcaa gccatcagtt gaagtagtcg tatgtgcttc catgaacaat aataatagcg 120
caaacaacca caccctccca accgacatac caagccatca caattaccaa tcattgaccag 180
gctccatgct ggttactttt tcataatgcct ttcccttgga gcacaagctt tgctctggaa 240
gagtttgagt aaacacaaca aggactcaca aagtctct 278

<210> 46728
<211> 278
<212> DNA
<213> Glycine max

<223> Clone ID: 701039215H1

<400> 46728

aaaaattcag gaaaaaaaaaaa aaaaaacatg gggtaaagg tgtatggtcc aacccatgga 60
tccccaaaga gggcctggg gtgtctgatt gagaaggaaa tttagttga aacagtgcatt 120
gttgcattct tcagggggga gaataaggac ctgagtcctt aaagctgcag ccattggac 180
cccttcgggt tattaaagag ggggattata ctctctatga atcccggca ataatcagat 240
acttagctga gaagtataaa gcccaggggta ctgacttt 278

<210> 46729
<211> 143
<212> DNA
<213> Glycine max

DRAFT

<223> Clone ID: 701039217H1

<400> 46729

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ccttcaccat cattgcgcat gcaattgttc ctcagaacga aaccttacaa tttgagaact 120
caggtgaact tggaccctac atc 143

<210> 46730

<211> 278

<212> DNA

<213> Glycine max

<223> Clone ID: 701039218H1

<400> 46730

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ctcggggata atgaggttgg actctttgc taatgaattt ggttcttctg ctctgccacc 120
cctttcagat tcttcgcctt ctattggcac actaaacctc tgaatgattc ggcttacgtg 180
ccctgcttct ccaatccaat tgatgttcaa agaaaccaag aagggtctt cgattccgtc 240
accaactcta tgtatgcggt ttcttcaaatt cctatgga 278

<210> 46731

<211> 280

<212> DNA

<213> Glycine max

<223> Clone ID: 701039219H1

<400> 46731

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gatcttcagc aagttcgaca agaacggcga cggcaagatc tcgtgcgcgg agctgaagga 120
gatgatggtg gcgctggat ccaaaacgag tcgcaggagg tgaagcgcat gatggcggag 180
cttgatcgga acggcgacgg ctacattgac ctgaaggagt tcggcgagtt ccattgcggc 240
ggcggcgacg ggagggagct ccgggaggcg ttcgagctgt 280

<210> 46732

<211> 277

<212> DNA

<213> Glycine max

<223> Clone ID: 701039220H1

<400> 46732

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acggtaagta tggcggacaa ggctgttaca atccgaaccc gaaagttcat gaccaacagg 120
cttcttcca ggaagcagtt tgtcgttgag ttcttcatcc agggagggca aatgtttcca 180
aggctgaact taaggagaag ctagcttagga tgtatgtatgt gaaagaccct aatactgtat 240
ttgtcttcaa attccgaaca catttggag gtggcaa 277

<210> 46733

<211> 261

<212> DNA

<213> Glycine max

<223> Clone ID: 701039174H1

<400> 46733

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agtagttctg cagacaatgt cgaagcagga actgcagttt ttctcgtgga gcttgaggaa 120
aaaagagcta ttaaggaaaa tggaaagagc actttgattt gattggctt aacatttttt 180
gctggacttt gcttcttat gttctcacca gcattcaaca tagcaacaaa tgaccaatgg 240
aataactttga aaaaagggt t 261

<210> 46734

<211> 265

<212> DNA

<213> Glycine max

<223> Clone ID: 701039145H1

<400> 46734

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gattctgacg ctaccactca gcctcaagat tccgacactg ctcccaattc cagtcctccc 120
aacgccctcg tccccgccgc tccccccgtt tgcccttc gcttcgccac cgactccgcc 180
ggcggcgctc tcatgggctc cgtcttgaa tacggtgctg gattgtttaa gaagaaaggt 240

tttaaaggat ccttgtaga agcag

265

<210> 46735
<211> 259
<212> DNA
<213> Glycine max

<223> Clone ID: 701039146H1

<400> 46735

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catccgcaac ctccgcccgtt tccgcctttt attcttcaac cgatggatcg gccggcgacc 120
ggacctggcg tggacatgcc gatcatgcac gatacgacc gctacgattt cgttcgcgat 180
atcggctccg ggaatttcgg cgtcgcaagg ctatgaggc gataaccgac gcaagagctt 240
gttgctcgta agtatattt 259

<210> 46736
<211> 262
<212> DNA
<213> Glycine max

<223> Clone ID: 701039147H1

<400> 46736

cctgaatcaa agagcttttag tgagcaaggt ttgggaccaa ttccatcaaa gtggagaggg 60
atctgtgata acggaattga tcatactttt cactgcaaca ggaagctaat aggggcaagg 120
tacttcaaca agggctacgc ctcagtgctc ggccccactga actcctcctt tgactcgcca 180
cgtgacaacg agggccacgg gacccacacc ctatccacag ctggcgggaa catggtcgca 240
cgtgtcagcc tcttccgcca ag 262

<210> 46737
<211> 276
<212> DNA
<213> Glycine max

<223> Clone ID: 701039149H1

<400> 46737

gtgagtgctt tctttctgtt actaacccta atcatcaact cagtcagcga atgaatctgt 60

ggacggacga gaactcctcg gtgatggagg cttcatgcc atcctccat ctctcctcca 120
tctggcccccc tcccgctcct ccgcagccgc aatccacggc ggtcttaat caggacaccc 180
tccagcacccg cctccaggcc ttaatcgagg gcgcggaga gacctggacc tacccatct 240
tctggcagtc ctcttacgac tattccggct ccactc 276

<210> 46738
<211> 271
<212> DNA
<213> Glycine max

<223> Clone ID: 701039150H1
<400> 46738

aaagagttt ccaagtttat gtttgttg tgactgcaca agacatggtt gaaccagag 60
atcccgtgaa agtgtttgac aaagcagact actatgcaca tcctgagcat tacaatccca 120
cttccatga aaaaatagca ccatatgcat ctgttattgt caattgcatg tattgggaga 180
agagatttcc tcaattgctg agctataagc agatgcaaga cttaatgggc cgggggagcc 240
cccggtttgg aatacgctgac ataacgtgtg a 271

<210> 46739
<211> 271
<212> DNA
<213> Glycine max

<223> Clone ID: 701039151H1
<400> 46739

gagatttctt cggtgaactg tggatgtct caggacatga acggtaaaaa gattgtcgcc 60
ctctgtttta ttgcagatt aatgggttaa tttttttca tgatcttca caaagaagaa 120
caaagactag cttgcagaag tggcagctg agattgctgc aactggaca ttttcagctc 180
ctttggatc tggatgtcct ggtggccttc ctgttccata tatttttatt ggtataaaag 240
ctgatattgc tgcgaaagag ggtacaagag g 271

<210> 46740
<211> 268
<212> DNA
<213> Glycine max

<223> Clone ID: 701039152H1

<400> 46740

ctcgagccgc tccagaacag caagggagaa tcaattcctc atcgctgcaa ttctcatctt 60
tcactctcta gattctcatc tatctctctc tctctctaaa gttcaaagtt tttgttgttt 120
tccccccgag tctttctctc tcttgctgtg gacttgtgga atgctgggt cagagacttc 180
tgagacatgt tctagcagac ttttgtgaa ttgggtcact ggttctgtc ataggtggta 240
gagaatctga gtcctcagag atctaagc 268

<210> 46741

<211> 267

<212> DNA

<213> Glycine max

<223> Clone ID: 701039154H1

<400> 46741

ctctgatcct gtaacatcaa tgggcctagt gcagcatgaa ggcggccct gtggcgtatt 60
ggcagctatt caagcatttg tgcttaata cattatttc ttcaagtatg agttgaaaga 120
tgtgtcatgc atgtcacaga agggtccggg tgcagcattt aaaaagtcagt ctgttccatc 180
aaataatttt tcttcgctca ctgaaggtaa aaaagtaaga gctcttgtaa aaagtatggg 240
tcaaattttt ttttcatgtg gaagtaa 267

<210> 46742

<211> 259

<212> DNA

<213> Glycine max

<223> Clone ID: 701039156H1

<400> 46742

ttcttcctt gcccgttaggg ttttagcgca gttcttctag atttaaggaa gatgggttaag 60
gaaaagggttc acatcgttat tgtggtcatt gcccgtgtcg actctggaa atccactacc 120
aactggtcac ctgatttaca agcttggagg cattgacaag cgtgttatttga agaggtttga 180
gaaggaagct gctgagatga acaagaggta tttcaagtat gcctgggtgc tggacagact 240
taaggctgag cgtgaaaga 259

46743
257
DNA
Glycine max
Clone ID: 701039157H1
46743

ccctcgagcc gaatcggttc gagcacaaag cggatactg tctgcaccag ctaccatctc 60
tccctctctt tcttagtgcc tacctgccag aagtcaaaat cgcccaagaa actgtcctat 120
tcacatctgc atcagtgaac gaggggcacc ctgacaatct ctttgaccag atctccgatg 180
ctgtgctcga tgcatgcttg gagcaggacc ctgacagcaa ggttgcctgt gaaacctgca 240
ccaagaccaa catggtg 257

46744
260
DNA
Glycine max
Clone ID: 701039158H1
46744

cggccgcgtc gtcgaggacg tcaagaaaaa cccgcacgcc gccgtctccg gcaccgtcat 60
ccgcccgcgc cttcagctca ttagtgtacaa caacatgtac cgcataatgt tcgaccggag 120
gttcgagacg gaggaggatc ccatcttcca gaggctaaga gccttgaacg gagagaggag 180
tcgcttggcg cagagcttt agtataacta tggtgatttt attccatct tgagacgctt 240
cttgaagggt tacttgaaga 260

46745
262
DNA
Glycine max
Clone ID: 701039159H1
46745

cctcgagccg ctggagccga atcggctcga gggtgggtcg ttcccaagcaa ttgttagtat 60
gctgcaaggg cccagttcta gtggcactga tatgaaacac cagtcttcct tgaatcatgt 120

gcaaaatgca gtagatttct gtttgcaga ttatagggga tcttcgttg agactgcatg 180
tttacgttgtt actggcata atgttcagag cttcagtggc tggaatactg gtgaatctag 240
ttcaagactc aatctgatca ac 262

<210> 46746
<211> 262
<212> DNA
<213> Glycine max

<223> Clone ID: 701039160H1

<400> 46746

gtgtcattta cgcttctctt ctctgcagca actatgccta accctaaggt cttttcgac 60
atgaccatcg gcggtaatc tgctggccgc atcgtgtatgg agctctacgc cgacgtcact 120
ccccgcaccc cgagaactt ccgcgcgc ttgcaccggcg agaagggcgt agggcggagc 180
ggcaaggcccc tcaactacaa gggctcgccc ttccaccggcg tgatcccgag tttcatgtgt 240
cagggtggcg acttcaccgc cg 262

<210> 46747
<211> 274
<212> DNA
<213> Glycine max

<223> unsure at all n locations

<223> Clone ID: 701039161H1

<400> 46747

ctaacctccc actgaagagt aattggtgga ttccagcaat ggccgtgggt catggcagtt 60
gggtcaagct tgcataaaga ggagaaggc aaggagcgag aagctcacat gctatagcca 120
tagtagcaca gaagggttat gcattttgtt gcaattcgt gccacgtgtc nccgttgata 180
acaaaacttca cgtttcgac ctagagactt tgacctgggt cgtggctgtat gcatcagggg 240
atgccccanc gccacgtgtc ggtgtcacaa tggc 274

<210> 46748
<211> 258
<212> DNA
<213> Glycine max

<223> Clone ID: 701039162H1

000250 0000000000

<400> 46748

tcgagccaca ctgagaggaa gagggagtga gagtgttctt cgtttgcac cttctctcac 60
aatggttac gttcagggtt caccagtacc aggtggtcgg gagggctc ccaacggaag 120
cagatcagca tccgaagatc taccgaatga agctctggc caccaacgag gtcgcgcca 180
agtctaagtt ctggtatattt ttgaggaagc tgaagaaggt aaagaagagc aatggtcaag 240
ttcttgctat caacgaga 258

<210> 46749
<211> 263
<212> DNA
<213> Glycine max

<223> Clone ID: 701039164H1

<400> 46749

gcactgagca gttgaggaaa tggAACCTT gggagagcga tctacagcgt tgtaactgg 60
attcgagaaa ctggacaggc cattgatcgt ctcgttccc gtctcaggg cgttactac 120
ttccaagagc agctctctag gcatcgaact ctgatgaaca tatttgataa ggctcctgtt 180
gttgataagg atgtatTTGT tgcccaagc gcctccgtca ttggagacgt tcaacttgga 240
agaggatcat ccatttgta tgg 263

<210> 46750
<211> 269
<212> DNA
<213> Glycine max

<223> Clone ID: 701039166H1

<400> 46750

tga~~a~~gtgag cttttcacc catccaaacc ttccaagaaa aacaacaaca tcaacaaaaaa 60
gcatggggc aacaccaata acgatgataa cagcaaggat tccaaggctg ctggcgacaa 120
gagattcaaa acgctgcccc cagcagagtc tcttcctagg aatgaaacca ttggaggcta 180
catcttggtt tgcaacaatg ataccatggc tgagaatctc aagagacaac tctttggct 240
gcctccacga tacagagatt ctgttcggg 269

DRAFT GENOME

<210> 46751
<211> 271
<212> DNA
<213> Glycine max

<223> Clone ID: 701039167H1

<400> 46751

atgaccacta cagttgctgc cctgcagact atcccatctg caacacttac gctggaaactt 60
gtctcaggag caagaacaac ccctttggag tgaaggcatt aaggcgtaact ccagcgaaac 120
cccattggac cttcggacgt aagaacaagg tcagcagtgc ttaagcagtt taaggaaatg 180
tgaacgtgca gaaggagcca atgatgaagt aaaagggaaag acgaaggact caagcaccag 240
ctggatgcac ttcccccttc ttcacataat g 271

<210> 46752
<211> 266
<212> DNA
<213> Glycine max

<223> Clone ID: 701039168H1

<400> 46752

atctcggtct gagtggcaga tccgcgccga tggtgtgagc gaaaacgtta ttggggcaga 60
aataaaaaac catagaatag atagagttat tactccatat aacatgtggc agtgatttgg 120
agatggcaga cttaccaggg tatcttcatg cctgttgaa cacagggaaag ctgcctcct 180
tggcaatttt ggtgtctgga ggaatcgctc tgcaaatttt ggcatgtgcc ttgtataata 240
actggtgccc gatgctgagt gtgtta 266

<210> 46753
<211> 270
<212> DNA
<213> Glycine max

<223> Clone ID: 701039169H1

<400> 46753

tgccatttca atccccagtt tcttcttcaa cgtccttta cgagcagatc ccaattctcc 60
ttcccaagttt caaacccctaa ttccctcatt cccatggcct cagaagagcc cactgtcgcg 120
gtggaaccccg ctccccgaacc tgccaccgccc gagcctcccc cggaggagaa ggaggagccc 180

aaacctgaag ccaaggctaa gaaaaccaag gaacccaaac ctaaaaaggt ttccagacca 240
cgcaaccctc ccactcatcc ttcctacgag 270

<210> 46754
<211> 267
<212> DNA
<213> Glycine max

<223> Clone ID: 701039170H1

<400> 46754

cctcgagccg aatcggtcg agtggaaatg ggttttctt tgtggcctt gtgtctaatt 60
tcggcttcac tagcctcttc accattctgt gccttccac ggaggccagt ggatgttcca 120
ttcggcagaa actacgttcc cacttggct tttgatcaca tcaaatactt caatggaggt 180
tctgagattc aacttcatct tgacaagttac actggtaactg gcttccagtc caaagggtca 240
tacttgtttg gtcacttcag catgaac 267

<210> 46755
<211> 265
<212> DNA
<213> Glycine max

<223> Clone ID: 701039171H1

<400> 46755

atctgtcctc atacctaact cctatgtttg gtaaagacaa aacctcagag gaaaggagaa 60
ttgccatgg tatatttgat gatgttgctg agcatggtcg tgaagctgct cttaaatatt 120
atgattctct tcttccattc ttacttgaag cttgcaatga tgaatatcca gatgttcgac 180
aggctgctgt ttatgggttt ggtgtttgtg ctgagtttgg tggatctgtt ttcaaaccac 240
ttgttggaga ggcactttca aggtt 265

<210> 46756
<211> 265
<212> DNA
<213> Glycine max

<223> Clone ID: 701039173H1

<400> 46756

tcagacttag tatttctaag aattatgtgt ttgttaaagg cttctatgac agcctcaactg 60
cttcaaaata gattcatgta tgtgagactc agaatctctg gggaaaattg tgtgtggtgt 120
ggactacttg ttttgggtt cattgagcta tatcgctgtt aattaggatt ttgtttcaaa 180
atgatgctta taagttgtaa tctaggattt ctcccattga aatccttaggt tggtcttgac 240
atttgctatt tcaaagaata aatat 265

<210> 46757
<211> 260
<212> DNA
<213> Glycine max

<223> Clone ID: 701039144H1

<400> 46757

atggaatttc gatgctcagt catctctttt accattctct tctctcttgc tcttgcagga 60
gagagccatg tccatgcatac gctacctgag gaagattatt gggaaagctgt ttggccaaac 120
actcccattc ccactgcact gcgagagctt ctaaagccac tccctgcagg tggtgaaatc 180
gatgaactcc ctaagcaaat tgatgataca cagtacccaa aaacattctt ctataaagaa 240
gaccttcatc caggcaaaac 260

<210> 46758
<211> 279
<212> DNA
<213> Glycine max

<223> Clone ID: 701039117H1

<400> 46758

ggaaatgttg cagccttcat atctgaagcc atacagggag tgggggttat cattgaattg 60
gctcctggtt acttgcagt tgtgtacaat gccattaaaa aagcaggagg actttttatt 120
gctgatgagg ttcaaggctgg ctgggtcgc actggtagcc atttctgggg atttgaggcc 180
cacaaatccg ttccctgacat agtcacaata gctaaggcca ttggaaatgg cattccccctt 240
ggtgctgttg taactactcc agagattgca gaggtctta 279

<210> 46759
<211> 280

<212> DNA
<213> Glycine max

<223> Clone ID: 701039118H1

<400> 46759

ctcgagcgaa tcggctcgag cagaagacag agtgagacgc tactcacgat ggagggaaca 60
gtatcctacg cgcgcatgcc tcgggtcaaa atcccgagc tgaaggacga ctacgccaag 120
ttcgagctcc gcgacaccga cgcgagcatc gccaacgcgc tgcgccgcgt gatcgatcgc 180
ggaggtgccg acggtcgcca tcgacctcggt ggagatcgag gtcaactcct cggtgctcaa 240
tgacgaggttt atcgctcaca aaactgggcct catccccctc 280

<210> 46760
<211> 275
<212> DNA
<213> Glycine max

<223> Clone ID: 701039120H1

gttaagtgtat ccaaggtaat aggtctttat
aggaagttaa tgtggttcaa accaagaatg
gacataagga agctatacag caaaggggacc
cctataaaagg ggttagactgt gaagatgggg

<210> 46761
<211> 272
<212> DNA
<213> Glycine max

<223> Clone ID: 701039121H1

gcggaaaaacg ttgttgagtt cacagactta
ggAACCAATG GCGTCTCCAA CGACGCCGTT
ggcatctctg cggttattcc cggttggttc
gcacattcct tgaagatgga aaagattttg

atggtcttcc agtcatcaac atatggcaaa gt

272

<210> 46762
<211> 272
<212> DNA
<213> Glycine max

<223> Clone ID: 701039122H1

<400> 46762

aagtgggtgc ctaaagaaa accatcttc tctttctgt atcaccgttg gaagagactg 60
agatgggttc aaaaaccaag actttacct ttgaagaggt ggctaaacac aatcacagga 120
aggattgtt gattatagtc aaagggagg tgtatgtatgt cacccattt ttggatgatc 180
atccaggagg tgatgaagtt ttagtactg caacagagaa ggatgccacc actgattttg 240
aagatattgg ccacagtgtat tcagcaacac ag 272

<210> 46763
<211> 270
<212> DNA
<213> Glycine max

<223> Clone ID: 701039124H1

<400> 46763

gcatcgcaagt atgttattt cctcaagaaa ttgggacttg atcccagaaa ggtcaatgtc 60
aatgggtggtg ccattgctct tggacatcct ttgggcgtta caggtgcacg ttgtgttgca 120
acttttgttga atgagatgaa acgcgggtggc aaggattgtc gctttgggtgt aatctcaatg 180
tgcatagggt caggtatggg agctgctgct gtatttgaac ggggggactt taaaagattt 240
gtgcaagttt agaatagttc ataaaaataa 270

<210> 46764
<211> 270
<212> DNA
<213> Glycine max

<223> Clone ID: 701039125H1

<400> 46764

ctgataccaa atatagaagc caaaaattgtg aacccagaaa cagggaaagc catgtttccc 60

ggtaacaag gagaactctg gatcagagga ccttatgtta tgaaaggta ttctggcac 120
ccaaaagcaa cttagcaac tttggggac gggggtaa ggactggggc cctctgttat 180
tttgcata aaggtttctt gtatgttga gataggttga aagagtttat aataacaag 240
ggctaccagg ttgctccggc agagctagaa 270

<210> 46765
<211> 262
<212> DNA
<213> Glycine max

<223> Clone ID: 701039127H1

<400> 46765

taagaagaga gagaagaca gaatgaatga ataaataatc atgcactctc tttctattct 60
tcttcatttct atcataacat aactatgata tcaacaccat ataataatta atagcaataa 120
tttagtaata ctctcttcat tgtcaattcc atcttcactt cacttcactt ctctgttctg 180
ttgaatattc aatcattcgc aaaacgcata ctggcttctt cattctcagc ttttttctt 240
cattcttaat tctccgtttt cc 262

<210> 46766
<211> 249
<212> DNA
<213> Glycine max

<223> Clone ID: 701039128H1

<400> 46766

gcgatttggc attgctctt cttcccttt gtccctctg tcctcgatcg ctccctccct 60
gcaattcgct ctccgttcg cacctaata cctgtcttc tcaaccaaac cttacagatc 120
ttcttccaa ccatcattct tttcacgaa gcggcgttt tattggccca atatcacatg 180
agtcgattca ttgcatttct tctctctct tctcctgttg atgttagtta gcacctaaga 240
atacagact 249

<210> 46767
<211> 263
<212> DNA
<213> Glycine max

<223> Clone ID: 701039129H1

<400> 46767

cgagaggaga ggagagaaga gagaaagctt ttgggtttg aatctataga atagaagcaa 60
accaaattga aagaagatcg atcgatcgat cgatggctct ggtcggagtt gaagtgaagc 120
atgcgcgcgg agggcgcacc ggaggagaat tgctccgcca agcccaccaa gcagggcgg 180
ggcctccgcc actactattc tcacaacatc cacgagcatc agtccttct ccgtcaaaaag 240
acgcataacc tcaaccgtct tga 263

<210> 46768

<211> 254

<212> DNA

<213> Glycine max

<223> Clone ID: 701039130H1

<400> 46768

gttaaggctt tccaaaagtc ttacttcaac aagtatggtg gtggggctaa ttccctcgct 60
gctgggtaca gcacaggtac tggattgggt gctgagatta ttggaacctt tgtttggtc 120
tacactgtct tctctgccac tgacccaag aggaatgcca gagattccca tgtgcccgtt 180
ttggctccac ttcccattgg atttgctgtg ttcatggttc acttggccac catcccagtc 240
actggtaactg gtat 254

<210> 46769

<211> 280

<212> DNA

<213> Glycine max

<223> Clone ID: 701039133H1

<400> 46769

caatcattga agggtaattc acgagctttt gcaactgtca cagcaatcat tgacggaacc 60
ggttctatacg gggctgcagt tggaccttta ctaacaggtt acatatctgc aaagagctgg 120
agtgcgtttt tcacaatgtt gatggcagca gctttaattt cagggctgct tttgaccagg 180
ctagtcgtgt ctgaggtggc cacaaagatt gaagagtcaa ggtataatag agcacaagac 240
tgttcattca atgtataaga ataaacctaa agggtcacag 280

46770
276
DNA
Glycine max

Clone ID: 701039134H1

46770

cttctttctt tcttactttc tctcaactcac caaatagttt tctcacaagg gaggaagaat 60
ggcatctttc atttcactct ctttgttgct tctctttctc aattaccctt tccttccct 120
ctcaaccaac cctgaaggga acgctctgca tgctttgaga agcaggattt ctgatccaa 180
caatgtgttg cagagttggg acccaaacact ggttaatccc tgtacttggt tccatgttac 240
tttgtgactcc aacaatcatg tgattcgctt agactt 276

46771
276
DNA
Glycine max

Clone ID: 701039135H1

46771

aaaacatctc aatgggttct tcttctatta caacatcgcc cgcaaccatg accatggctg 60
cgatcgtgct cctgttcacg gtctttgccg tttcctccgc cctagacatg tcgataatct 120
cgtacgacag cgccccacgca gacaaggccg ccacgttacc gcaccgagga ggagctgatg 180
tccatgtacg agcagtggct cgtgaagcac gggaaagggtgt acaacgcgct cggcgagaag 240
gagaaggcgct tccagatctt caaggacaac ctgcga 276

46772
271
DNA
Glycine max

Clone ID: 701039137H1

46772

ctacaactag taacaaagat ccaacaagca gatcaatctc tctctctgac tcccaatcaa 60
aacagacatg ggtttgaagg aggatttga gcagtatgct gagaaagcaa agactttgcc 120

accgactcaa tcaaacgaag acttgcttat cctttatgga ttgtacaaggc aggccaccgt 180
tggacctgtc aacaccagcc gtccggaaat gttcaacatg agggacagag ctaaatggga 240
tgcatggaag gctgttgaag ggaaatccaa g 271

<210> 46773
<211> 271
<212> DNA
<213> Glycine max

<223> Clone ID: 701039138H1
<400> 46773

cagaccaccc agagctccgc cgtggcgctg aagtgcctga tcgtggtgca ccacgtgatc 60
aagcgcggca gcttcatcat gagggaccag cttccgtaca gcggcggcgg caggaactac 120
cttaacctct ccaaattcag agacaagagc aaccccgtgt gctggaaact ctcttcttgg 180
gtacgatggt acgctaaaca cgtggaacag cttctctggg cttccagaat tgtcgggttc 240
ttaccgacgg aaaaagagag agtttcgggt c 271

<210> 46774
<211> 270
<212> DNA
<213> Glycine max

<223> Clone ID: 701039139H1
<400> 46774

gcgcaagtga ggaacaagca agtgcttcta aaggactatg ttaccggttt tcccaaagaa 60
tccgacatga atattgtcga aagtaccata acattgaagc ttccacaagg ttccaatgat 120
gtcttgctca aaaatttgcata cttgtcttgt gatccgtata tgaggaatct catgaacaag 180
cccgaggcc ctcccaatag tcgtgcttac actcctggct ctccattaat aggatatgg 240
gtgtctaaag tcctggaatc tgggcaccca 270

<210> 46775
<211> 270
<212> DNA
<213> Glycine max

<223> Clone ID: 701039140H1

<400> 46775

cagtgaaaga gaatccgagg cgaagagaag agaaaaatta agatggaggg gaaggagcag 60
gatgtgtcgc tggagcgaa caagttcccg gagagacagc cgattggac ggcggcgcag 120
agccaagacg acggcaagga ctaccaggag ccggcgccgg cgccactggt tgacccgacg 180
gagtttacgt catggtcctt ttacagagca gggatagcag agtttgcgc cactttctg 240
tttctataca tcactgtctt aaccgtcatg 270

<210> 46776

<211> 269

<212> DNA

<213> Glycine max

<223> Clone ID: 701039141H1

<400> 46776

agacaatgtt ctttgtatg ctgggtggcag ttgtgcta atatgtctg atactgtaca 60
tgaagcttcc attattcaaa agttgcctgt gcttcttcaa cccgtggctg caaatggcaa 120
aaaagtcccc ctcggacaaa gaaaactgat gttaatgat gactgtgcta agtagagcg 180
gaaaagggtt cttgcagatg ctttgagat taccgctcca aatctggatt cactccattt 240
tggtgagaat tcggttgctt ctgaattgc 269

<210> 46777

<211> 265

<212> DNA

<213> Glycine max

<223> Clone ID: 701039142H1

<400> 46777

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ttgtttagc atcttactg cttccagaac ttaggattca gactttctat gtatcaattc 180
tacttccagt tttgtagta gaacgggagg acgcttccat ttctgttctc taaaccgagc 240
ttaggttttgcagaatct tcaaa 265

<210> 46778
<211> 264
<212> DNA
<213> Glycine max

<223> Clone ID: 701039143H1

<400> 46778

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cttccaaagt tacatgcgaa atagaagcag ataaaagttc acctattatt gactttccc 120
tcaatcgaa cagttccct gaaggctca tctttgggc ggcacatcatcc tcctaccagt 180
tcgaagggtgc agcacaggaa ggtggtagag gaccaagtgt atgggataacc ttaccataaa 240
atatccagat aagatcaagg atgg 264
.

<210> 46779
<211> 270
<212> DNA
<213> Glycine max

<223> Clone ID: 701039116H1

<400> 46779

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tcttccttca ccttttattt gcaagaaaaa aaaaatgagc accataagca tggttagaggc 120
aaagctgccca ccaggattca ggtttcatcc aagagatgaa gagcttgtgt gtgattactt 180
gatgaagaag gtgcaacaca atgattccct tctcttgata gatgtggacc ttaacaagtg 240
tgagccatgg gatattcctg aaacagcatg 270

<210> 46780
<211> 257
<212> DNA
<213> Glycine max

<223> Clone ID: 701039078H1

<400> 46780

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gcttcttctt caccatattc tccttctttt ctcagattca gcagtaacta tgaatcgct 120
tgcattgccc aaatccattg cccagcggtt cagaggcatc caccacagcc cgcgaaacca 180

gtggtgtaat aacaaccgtt gcgaaacgca ggtccaaagt gctggggccg tggcttctct 240
cctcaagtcc cgttccg 257

<210> 46781
<211> 258
<212> DNA
<213> Glycine max

<223> Clone ID: 701039079H1

<400> 46781

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tatgcaatgc agtggctgtg gcaaaaatat taaatgccac tcttattttg cctgtttga 120
agcaggacca gatttgaaa gaccaaacga aatttgaaga cattttgat gtggatcact 180
tcattgacta cctgaagtat gatgttcgta ttgtccgtga tatcccagaa tggtttaccg 240
ataaaatcaga gctattta 258

<210> 46782
<211> 257
<212> DNA
<213> Glycine max

<223> Clone ID: 701039080H1

<400> 46782

gcaaaatgca acaaattcag aggcctcaaa ccgagagaat acgctgcctt gaaggactgc 60
gctgaagaaa tcagtgacag cgtcgaccgg ctcagccgtc gctgaaggaa ctcaaattgt 120
gtaaggtgaa gggtgaggac ttcacgtggc acatcagcaa cggtgagacg tgggtgagtt 180
cggtttgac cgatgagagc acttgccgc atgggttcgc cggttggcg ccgaatggga 240
agattaagga ggcgatt 257

<210> 46783
<211> 258
<212> DNA
<213> Glycine max

<223> Clone ID: 701039084H1

<400> 46783

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caagaggctc gtcaagctaa cgctctcgct cctccgcctc ggcttcaact cctccaaatg 120
caaaacggca gcgaagatgg cggtggcgag gatcaagctg ctgcggaaca agagagaggt 180
ggtcgtgagg cagatgcgac ggcacattgc cttcttctc cagtctggtc aagacgccac 240
cgctcgcatc agggttga 258

<210> 46784
<211> 256
<212> DNA
<213> Glycine max

<223> Clone ID: 701039085H1

<400> 46784

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agatagctct tggtactttg gatgactctt ttagcgctgc ctctcttaag gcttatttcg 120
cagagttcca cgcaactctg atttcgtgt tcgctggtgt tggatcagcc atcgcttaca 180
acgagcttac aaaagatgca gccttggatc caacggggct ggtggcagta gctgtggcac 240
atgcatttgc actgtt 256

<210> 46785
<211> 256
<212> DNA
<213> Glycine max

<223> Clone ID: 701039087H1

<400> 46785

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cagaaaaccc ctttcggat cggtggagcg aacctcgccg gcgagacccc cgaggctgtt 120
caatcgccga tcgagcaacg gcgaaaagcg acgaagatga aggtttcgt gaagactctc 180
aagggcacgc acttcgaaat tgaagtgaac cttcggaca cgcttctga agtgaagaaa 240
aatatagaaa ctgttc 256

<210> 46786
<211> 260

<212> DNA
<213> Glycine max

<223> Clone ID: 701039088H1

<400> 46786

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atccttgatg aaatagaaaac accagaagaa cccaaacagtgtgcccgcgaatccctgttgc 120
tctccacttc cacttggttgc agaatccccca gttgcggaaatg tcaaaggagt tgaccaacaa 180
catcacacgc tctcattttt catgcacgac attctgggag gctccaaccc cacggccaga 240
qctqtaacag gcgtggtgac 260

<210> 46787

<211> 250

<212> DNA

<213> Glycine max

<223> Clone ID: 701039092H1

<400> 46787

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ctgattcagt ttcttaggtat tctcgatttc aatttctcta tctggtttg tctttgaatt 120
gttctgattg taaattttaa tgttaagatt ggattgttta tttcatttagt atgttgaatc 180
atgttattac ttatcgggtc tggttatgag tgtatagggt tagtaaggga tttggttctt 240
ggcgatggtt 250

<210> 46788

<211> 253

<212> DNA

<213> Glycine max

<223> Clone ID: 701039093H1

<400> 46788

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tattnaaatt gtttgttat atgatatttgc ggacttattt atttgttgc tttagtccat	120
taaacattca ttttagcctg atttctcctt tagatttattt tggtgataac tttaaaaat	180
gttgatagaa gggaaaaagg ccgacaagaa agaaaacaggg gatatgcgtt ccaatcttgc	240

tggttcatcg tga

253

<210> 46789
<211> 254
<212> DNA
<213> Glycine max

<223> Clone ID: 701039094H1

<400> 46789

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gggtaactcc catggacacc ggcatcgcaa acacggtaac tccgttcctc ccaacacgg 120
tcctcctccc tataaataca atcctcaccc aaccacctcc aattccacca tgcttctct 180
tccttacacc cacgtcgaca ccaccctccg ctccctcgcc gcccaagccg agggcttcgg 240
tcgcttcgct atcg 254

<210> 46790
<211> 248
<212> DNA
<213> Glycine max

<223> Clone ID: 701039095H1

<400> 46790

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tcggaagttg ttagcttgat gaagggttgc tcgcaggttt ggcagaagct tatgaaacac 120
aaacatgggt ggatcttcaa cgctcccggtt gatgttgtt ggttgcact taccgattac 180
tacgatgtaa ttaagcaacc catggatctg ggaacggtga agtccaatct ttccatgaac 240
aagtacac 248

<210> 46791
<211> 258
<212> DNA
<213> Glycine max

<223> Clone ID: 701039096H1

<400> 46791

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ataaatgcat atactacatg tctattgcat tgaatgttgt cctaagagtg gcttgggtgg 120
agactataat gcacctcaaa gtggggcctg ttcaaactag gctactagac ttttgttgg 180
cttcactaga ggttattcga cgagggcatt ggaatttcta caggttggag aatgagcatc 240
taaacaacgt gggcatt 258

<210> 46792
<211> 285
<212> DNA
<213> Glycine max

<223> Clone ID: 701039101H1

<400> 46792

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gcgttgagcg tggcagtgaa cgtgttgtgt ttggccatag tttgcagtgc gatcgagtca 120
ccgcaacaca cagtagtaca ctccgagtcc gatttcgaga tcaggctcta tcgtacctct 180
gtttggatgt ccgcctcgc cctcgacatt tcctcgaaa aagccacctg gaatggcttc 240
cacaggttgt tccagtcac agaagggcc aacttgaatt tctct 285

<210> 46793
<211> 280
<212> DNA
<213> Glycine max

<223> Clone ID: 701039102H1

<400> 46793

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gccaaagtact atgaagccgg tgacgtttt gccaaagtggc gtgctgtgct gaagattgg 120
cccaacgagc catctgagct ggctatccat gagaatgcct atggcttggc cagatacgct 180
gtcatatgcc aggagaatgg cctggttccc attgttgagc ctgagatcct tggatgg 240
tctcatgaca ttcacaagtg tgctgccgtc accgagcgtg 280

<210> 46794
<211> 279
<212> DNA
<213> Glycine max

DRAFT

<223> Clone ID: 701039103H1

<400> 46794

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cctcttcact cttctactct tggattcat tcatacagca ctctcttcta cccaatatca 120
tgatcggaac atcttactca ctcatcgtaa gatcttcccc aaacaggaag ctatcacctc 180
gtacgctgtc atctttgatg ctggtagcac tggtagccgt gtgcatgtct tccatttcga 240
ccagaacttg gatctccttc gtattggcaa cgaactcga 279

<210> 46795

<211> 276

<212> DNA

<213> Glycine max

<223> Clone ID: 701039104H1

<400> 46795

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ccgccagcca gagagagaag agaagccttc ggatcgtagg ttttcttacc ctcccttctc 120
ccaaatcggg ccttccgct tctcgattcg ctccgcagc tgagcgatct ggaaaaccca 180
aaaaagaacc aaccgaacgt tttatatgtt tcggataatc aatcaattga agatgtctcg 240
ttgcttccct tttccccctc ctgggtatag ggcacg 276

<210> 46796

<211> 273

<212> DNA

<213> Glycine max

<223> Clone ID: 701039109H1

<400> 46796

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cccaaccgca ccctcttccg tccctttctt cacacttcct tcaaaccact tccttcgtct 120
ttctcttcc gaacagatca cactatggcc acctcaaacg ccaaatcagt ccatgatttc 180
accgttaaag atgccaaggg aaatgatatt aaccttggtg actacaaagg aaaggtcctt 240
atcattgtca atgttgccctc acaatgtggc ttg 273

<210> 46797
<211> 269
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<223> Clone ID: 701039110H1

<400> 46797

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aaacccacca ttctccttgt ttccattgct gtttcattgt ttttaagca attccgagca 120
ttgatcaaat gggtttggt tcacttccaa ttttctgaaa cagcgtactc tcaaaaaaaaaa 180
tatctgatca cattttctac ttctgcaaatt tctgcatttt tttccctctc tttctttctg 240
gggtgtctgc agaacaaggg aatctcaca 269

<210> 46798
<211> 267
<212> DNA
<213> Glycine max

<223> Clone ID: 701039111H1

<400> 46798

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caactatcatc ccaaagatta ttggggccat ccaaactatt gaaatcggt aaggaaatgg 120
aggacccgga accgtcaaga agataacagc tagtgaaggt gaccaaacca gttcgtgct 180
gcaaaaaagtg gatgcaattt acgaggctaa cttggtatac gactacagca tagtgggagg 240
gacggggttt catgaaaagtt tggagaa 267

<210> 46799
<211> 266
<212> DNA
<213> Glycine max

<223> Clone ID: 701039112H1

<400> 46799

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ggaaacctta ataatgaaga gagatcagca accatggaga taatcaaaga tgcctgttag 120
aactgggtt tcttgagtt ggtgaaccat gggatatcca tagagttgat ggacaccgtg 180
gagaggatga caaaaagagca ctacaaaaag tgtatggagc aaaggttcaa agaaaatggta 240
gcaagcaaag gtttggagtc tgctca 266

<210> 46800
<211> 252
<212> DNA
<213> Glycine max

<223> Clone ID: 701039113H1

<400> 46800

ggctaatactc tcactcttgt tcttcgtct cctcctattc tccgctgccg tagccaccgt 60
cgaacgaatc gacgatgaag acaaccttct gatccgtcaa gtggtgccgg acgcggagga 120
ccaccacctg ctcaacgcgg agcaccactt ctccgccttc aagacaaaagt tcgccaagac 180
ctacgcccacg caggaggagc acgaccacccg ctccgtatc ttcaagaaca acttgctccg 240
cgccaagtgc ca 252

<210> 46801
<211> 260
<212> DNA
<213> Glycine max

<223> Clone ID: 701039114H1

<400> 46801

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aatgatgaag ccatcgatgc tcagatctct tcactctgcc gccacccgcg ggcctccca 120
cctctccgc cgtggctacg cctccgagcc ggtgccggag cgcaaggtgg ccgttctagg 180
tgccgccggc gggatcgggc aaccctctc cttctcatg aagctcaacc ccctcgttc 240
cagcctctcc ctctacgata 260

<210> 46802
<211> 264
<212> DNA
<213> Glycine max

<223> Clone ID: 701039115H1

<400> 46802

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ttatacttaa ttaacactta acaaacacac aatctcattt tgtttctctt caatccaaac 120
gcattcacat tcacattcaa tcaatgatgg ctcagcttct ccacactccc ttcatcccc 180
cctcctccctc cgcgctccgc cgccgccca ccattccccca ccgcaaaaacg acctctcgcc 240
tcgtcggtcg ggccaagatc cggg 264

<210> 46803

<211> 254

<212> DNA

<213> Glycine max

<223> Clone ID: 701039076H1

<400> 46803

gcggaatcag ctagaatttt ctaataatgg ccaaagacgt tgaggagtt acagagcaag 60
gtgaataactc cgcgaggat taccatgacc cacctccggc gccgttgatc gacccagatg 120
agctcactaa gtggtccttg tacagagccg ccatacgatc gttcatagca acactccctt 180
tcctttacat caccgtgttg accattattt gctacaagag acagagtgac accaaaatcc 240
ccggtaacac cgag 254

<210> 46804

<211> 258

<212> DNA

<213> Glycine max

<223> Clone ID: 701039044H1

<400> 46804

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tttcaagatt ccaaaaacccc ttattattat ttgtttatcc ttatctctt tgtactttgt 120
tctctgtaga gtaccagatc tttgcattcc ctggttataa ttccgaggct ggtttcttgt 180
taggaccgtt aacttcttct catggctcat cgctacgata gtaaccctt cgacgaagaa 240
gaagtcaatc cttctct 258

DRAFT STRAIN

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<211> 271
<212> DNA
<213> Glycine max

<223> Clone ID: 701039045H1

<400> 46805

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taacaggtag tatgtatggtt ataaagcaac tgaggaagtg gtgcctaag ttttgatgc 120
tagagttac acaaataaa tattggggga ggtgagggag aggctagaaa ctgattcgac 180
ttgggattga taatccacat gtttgcga gtttgcaca ttctaatatg cttctccat 240
tgcacatttt tccttattt aactcaatta c 271

<210> 46806
<211> 261
<212> DNA
<213> Glycine max

<223> Clone ID: 701039047H1

<400> 46806

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ggctactgga gggatcattt ctgggtctac tgcatcctgc attacaaacc cattggatac 120
tatcaagaca cgattacagg tgctggact tggaaaagaaa atccctgtaa aacaagttgt 180
taaagatttg atcgctgagg atggttggac aggtgtatat agaggattcg gtccaaagact 240
tttcagcacg tcagcatggg g 261

<210> 46807
<211> 264
<212> DNA
<213> Glycine max

<223> Clone ID: 701039048H1

<400> 46807

aagccgcagt gaaccaaacc atcatcatcg cgttaccgga ataatcgacc catcatcaat 60
tagatcgaaa tgaaggatga ggacgggctt ccgacgacga ccgcggttac aaagaaggaa 120

aacttggatt cgagtctgtt tggaaaaggc aggtacaaat tctggcggtt agcggccatc 180
ttgcttctgg cgttctggtc catgttcacc ggtaccgtct cgctccgctg gtccggcact 240
ctcaattccc ttccaacga catc 264

<210> 46808
<211> 266
<212> DNA
<213> Glycine max

<223> Clone ID: 701039049H1

<400> 46808

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gactaaaaacc attcagggat tatccttacc aaataatagc tcctttcgt gatcattgg 120
cgtatattgg aattttcatt ggtataatag gtttatttct taattgcatt tacaggcacg 180
tggtcaatat tttgtttac ccgaacaaac taatccgtag gagcagtttc aaaattcctt 240
tttagtggct taaagtagat tggtaa 266

<210> 46809
<211> 264
<212> DNA
<213> Glycine max

<223> Clone ID: 701039050H1

<400> 46809

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aagctgctt taatatcgta ctggccttcg attgttctcc tcttaatac atactgttct 120
ctcttcgatt tgagggaca gtacaagagt ctgagcatcg gttAACCAA ctgcacaggt 180
agtctccaaa taatggagcc tcatgtatgag actggatgcc aggctcctga acgccccatt 240
ctttgcatta ataattgtgg cttc 264

<210> 46810
<211> 263
<212> DNA
<213> Glycine max

<223> Clone ID: 701039051H1

0
9
8
7
6
5
4
3
2
1

<400> 46810
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aacccgcaat tcggcggttg gctcgagag gtggtgtaa gagaatcagt ggtctcatct 120
acgaggagac acgtggcgtc ctcaagatct tcctcgagaa cgttattcgc gacgctgtta 180
cctacaccga gcacgctaga agaaagaccg ttaccgctat ggatgttgg ttagctctca 240
agaggcaggg caggactctc tac 263

<210> 46811
<211> 260
<212> DNA
<213> Glycine max

<223> Clone ID: 701039052H1

<400> 46811
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catggcctcg agagcagtgc tattgttggc tatgtgtgtg cttccggcca tgggtgtggc 120
cattcgccca gcaaagaacc cttttgcgt gaagggtcgc gtctactgtg acccttgccg 180
tgctggttt gagacctcag caaccaccta cattgcccgt gctgagatta tggcaatg 240
caagagcagg gtttagcaacg 260

<210> 46812
<211> 259
<212> DNA
<213> Glycine max

<223> Clone ID: 701039053H1

<400> 46812
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aatccgttcc acgacaatg cccctgaatg caaaaatatt aatagcactt atattccttg 120
cattcgcaat cacggctacc acttcaactc gaatgcttga tggaaatagaa acaccagaag 180
aacccaacag tgctgccaa tccccctgttgc tctctccact tccactgtt gcagaatccc 240
cagttgcggaa agtcaaagg 259

<210> 46813

<211> 261
<212> DNA
<213> Glycine max

<223> Clone ID: 701039054H1

<400> 46813

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cagccaaatg agcaatcaga gaaagttcgt agctgatgga gtgttctcg ctgaactgaa 120
cgagggttctg acaagggagt tagccgagga cggatactcc ggcgtggaag ttagggttac 180
gccgatgcgc accgaaatca tcatcagagc caccagaacc caagccgttc tcggtgagaa 240
gggaaggaga atcagggaaac t 261

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<210>      46814
<211>      261
<212>      DNA
<213>      Glycine max

<223>      Clone ID: 701039055H1

<400>      46814

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tacgcaataa cgccaagctc gatctcaaata taatatataatca tttatttcctc ttaatcaaata 120
attaaataaag aaaagatggg agagatgtca aacttccaaat tgggtgtgat tggtgcacta 180
tttctctcgg tggcttcttc tgtctccatt gtcatctgca acaaaggcctt gatgagcaat 240
cttggcttcc cttdcgccac a 261
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<210>        46815
<211>        257
<212>        DNA
<213>        Glycine max

<223>        Clone ID: 701039058H1

<400>        46815

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tcaagcttca gcaaatttgc catgactatac cctgagatca aatctggcag tggcatattt 120
qcattcaact tgacatggaa tgatataaaa atcttgaccc cctcaatatt gaacccttt 180
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gcaaaataca gattgttcag gaatccaaga tctaagaatg ctgggacatt gttggcatta 240
tcagatttct tgtcctt 257

<210> 46816
<211> 257
<212> DNA
<213> Glycine max

<223> Clone ID: 701039061H1

<400> 46816

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ttgaatgggg ttaacatgga attgggtggat gctgcattcc ctcttcttaa aggtgttgg 120
gctacaaccg atgtgggtga ggcatgcact ggggtcaata ttgcagtgtat ggttgggtgga 180
ttccctagaa aagaaggtat ggagaggaag gatgtgtatgat ctaagaacgt ctccatttac 240
aagtcccagg cttctgc 257

<210> 46817
<211> 257
<212> DNA
<213> Glycine max

<223> Clone ID: 701039062H1

<400> 46817

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attcatgggt ttctgtcaaaa gccttcaactt gagttcttctt gatgttgttg tgattcgtga 120
aggcagtgaa aatgcatgtg tgtccattgg gtacgtggat gtgcacgtgg gaatttgaat 180
ttggagtgca cgatgagcca cattcaaagg gatagaataa agttttttt tcttatatgt 240
tgatttggag tggggta 257

<210> 46818
<211> 262
<212> DNA
<213> Glycine max

<223> Clone ID: 701039063H1

<400> 46818

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ctagtttgtt ggacttcatg ataagtgata aaagttactc ttctcagcgg ggacagttaa 120
agatgcctga tcatgctgac ctgcggtaact cctgcaggac atatgcacgt cttctgcaac 180
atttgaagag tcttgacaag aattgtcttgcgtt gtcattgtat caaagcttat tgcatgttc 240
taaacttgct tcttcgaga ga 262

<210> 46819
<211> 276
<212> DNA
<213> Glycine max

<223> Clone ID: 701039064H1

<400> 46819
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tttgtttaat tgacttatga gtataggaat ggacacagtg atggacgagg aagaatacaa 120
ctatagagaa gtgaggcttc cttctctgat agcagtggtg ggcgagccag agctggggag 180
ggaaacaggg gaaaggagaa gaggaaggga cataataata gccatagatc atggccccaa 240
taccaaacat gcttcgatt gggctctggt tcacct 276

<210> 46820
<211> 264
<212> DNA
<213> Glycine max

<223> Clone ID: 701039066H1

<400> 46820
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cataagaaaa agaaacacac aaaagagaaaa caagttgtta gccacagcaa aagtcgatgc 120
ttactagtct tagttaggcc tcagcgtcag ttcatgaaaa ctttgtttt tataggaatt 180
ttgctcaggg aggattcttg ttgtattgtt gctgatagcc tagaggtgga agtttagtc 240
tttgggttggaa actagttgtt ggct 264

<210> 46821
<211> 260
<212> DNA

DNA SEQUENCING

<213> Glycine max

<223> Clone ID: 701039068H1

<400> 46821

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ccctacgacc ctgataaaaat tcacactgct gataaacttg ttattagtga gctgaaaaat 120
ctgtctgaac tcaagcattt ctacagggag aacaacccaa aaccagtgtg tgtttctccc 180
caagactcac gtttagctgc agaaattcaa gaacaacaga gccttctgaa aacttatgag 240
gtcatggtga agaagttcca 260

<210> 46822

<211> 260

<212> DNA

<213> Glycine max

<223> Clone ID: 701039069H1

<400> 46822

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tcccaattcc aaatttagggt tagggtttc acaatctcaa tgaccttctc ttcttccttc 120
accttacaat ccctattcca ctaccgctac tactactccc tttgtctcg tcgttgtcgt 180
tcgttaaggat taatcaatta acctatcgaa tcgttcagt atcttcttct tctttttctt 240
ccatggacct ctctcaccct 260

<210> 46823

<211> 259

<212> DNA

<213> Glycine max

<223> Clone ID: 701039070H1

<400> 46823

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catggttaa cccaaactgtc aaaccaaata tgtcattaa cacaatggga tattgttatg 120
ttgtctatgc actatatcca gaagggtcta ctcttcaaga aacccacacc tcttgttgat 180
caacatgatt tcatacggaa tctcttggag aagctcaaac actcttcttc tctcaactctc 240

tcccatttct atcctttgg

259

<210> 46824
<211> 260
<212> DNA
<213> Glycine max

<223> Clone ID: 701039072H1

<400> 46824

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cctcacaaaa atggaggcac gtagttgtta ctcactagtg tttcttgtgc ttgcttggc 120
tattgtgaac aaagtgcatg ggcaagggac gcgtgttaggg ttcttattcga gtacatgccc 180
acgcgctgag tccattgtta agtccacagt tacaacccat gttaattctg atagtacttt 240
ggctgctggg ttgcttcgga 260

<210> 46825
<211> 257
<212> DNA
<213> Glycine max

<223> Clone ID: 701039074H1

<400> 46825

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gcgacgccgt tcgtgcattt ttgaggtgcc gctgtcatgt ttggcgtgg tggaccaagg 120
aggagtgata actccaaata ttatgatatt ctcgggattt ccaaaaatgc cagtgaagat 180
gaaatcaaga aggcctatacg aaaggcggct atgaagaacc atccagataa gggaggagat 240
cctgaaaagt ttaagga 257

<210> 46826
<211> 255
<212> DNA
<213> Glycine max

<223> Clone ID: 701039075H1

<400> 46826

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tgttatgtatg acaaagatac accctgttgg gaaagttac cacttccgag ctaagcgcca 180
aatggccgag agtttaggac agattgctaa gttcagacgt cgctttggc tagaaaatcc 240
agagggcaat gaaaa 255

<210> 46827
<211> 261
<212> DNA
<213> Glycine max

<223> Clone ID: 701039043H1

<400> 46827

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aagccgagta gcgaaaagcc agaggagcat agggattcca actactacaa aggggtccga 120
aagagaaaaat gggcaaatg ggtatccgaa ataagactac ccaacagccg tcagaggatt 180
tggttggat cttcgacac ccccgagaag gccgcgcgtg cttcgacgc cgcaatgttc 240
tgcttacgtg gccgcaacgc c 261

<210> 46828
<211> 266
<212> DNA
<213> Glycine max

<223> Clone ID: 701039006H1

<400> 46828

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aacctgaaat tgacatccc aggaaggcct atggatggc agcttagggat acatctgg 120
ttctctcccc ttttggttc tctagaagga aaacagggga gaaagacgtg acattaaag 180
tgggttattg tggagtatgc cactcgacc ttcacaagtt gaaaaatgaa tggagtgatt 240
ccatctatcc cttgtccct ggccgt 266

<210> 46829
<211> 268
<212> DNA
<213> Glycine max

<223> Clone ID: 701039007H1

<400> 46829

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actcattgat tcatttgggtt ccctcacttt ccccacttcc tttgtctcca tataaaccct 120
tcaccctgtg accctttcc cactcccaa cccctctt cattccaatt ttggcaccac 180
accatgccaa ccctcaacca tgtcctcaca ttacattct tccttctcct ctcttgccat 240
tgccacccctcc tcaatggcca agaggaca 268

<210> 46830

<211> 268

<212> DNA

<213> Glycine max

<223> Clone ID: 701039008H1

<400> 46830

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ttccaaggaa aagaacagga aatttggaa gaccattgaa ctccaaattt gggtgaaaa 180
ttatgatccc cagaaggaca agcgttcag tggctctgtt aagttgcctc atattcctcg 240
ccccaaagatg aagatttgtt tgcttggaa 268

<210> 46831

<211> 261

<212> DNA

<213> Glycine max

<223> Clone ID: 701039011H1

<400> 46831

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cacttttagcc aatgtgtgct ttttacttgc ttgtatgtt atggaggatg catctgtttg 120
ttcaaaatgg ttgacagcag agacaacaaa acaactcctc aaacttttag gccctggtaa 180
tgatgcccct gtcaggggctg aggcagctgg tgctcttaaa tctctatctg cccagtgc当地 240
agatgcaagg aaagagatag c 261

0954143
103200

<210> 46832
<211> 262
<212> DNA
<213> Glycine max

<223> Clone ID: 701039012H1

<400> 46832

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gttggattgg tggctactg ggtaagctct gcgaagagcg cggatccaa tatgagtacg 120
gcaccggcag attggagaac cggtcgtcgt tggaggcgga catagcggt gtgaagccca 180
gccacgtgtt caacgcccgcg ggtgtcacgg gtagacccaa tgtggactgg tgcgaatctc 240
acaaaagtga aaccatccga ac 262

<210> 46833
<211> 263
<212> DNA
<213> Glycine max

<223> Clone ID: 701039013H1

<400> 46833

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ctctactata tcaagcaatg cagggagaa gttgaggttc aaaaccttta acagcatcaa 120
aataagtgca attggcaaca ttttgacat tttattggct gcataatctcc ctactttgtt 180
gttagtcctt ttatgaggtg ctaataattc aatttttgt tcttttgga attttgaatt 240
tcatagagtt aaggatgagg tca 263

<210> 46834
<211> 263
<212> DNA
<213> Glycine max

<223> Clone ID: 701039014H1

<400> 46834

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gttgttgaac aaaggctctt tgtgtgagca tttggcagca ccagaaagag gaaaatggtg 120

gcttagtgaag acatatatatgg tggggaggaa gtttctcttg tccaaaccaga ccctgtgggg 180
ttgcagattg atcgtttgca aaacccaactc acagaaaaagg ttaaggaact ggcaacttgc 240
cagagtgaaa tcaaggcctt aag 263

<210>	46835
<211>	268
<212>	DNA
<213>	Glycine max

<223> Clone ID: 701039016H1

<400> 46835

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gtgaggcaca atatttcaat gccaaacccat acgactattt acaactagcc ttaagggtggc 120
ctaattccta ttgcttgaca catgaaggtg gttgcaggga aatagtgcc caatatttta 180
ctatttagcta ccttcataccc atgagaagag gaggccctga tctgcaaaaat tgccccctcac 240
catttaatat gccaaatagc actatggc 268

<210>	46836
<211>	105
<212>	DNA
<213>	Glycine max

<223> Clone ID: 701039018H1

<400> 46836

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cttcaaattg caattaagac aattagaagt gttgatttaa caccc 105

<210> 46837
<211> 265
<212> DNA
<213> Glycine max

<223> Clone ID: 701039020H1

<400> 46837

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cgccgcggc atccctccgg cgatgacatg accgcccgtt ccctcatccc ttccttagacc 120

<210> 46838
<211> 278
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<223> Clone ID: 701039021H1

<400> 46838

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catctccccc tctgctccag ctatggcntc tatatgcac tctgaagggtgc tcaaggattt 120
gcagaaggat cctcctacgt catgcagcgc aggtcctgtg gctgaagaca tgtttactg 180
gcaagccaca atcatgggac ctgctgatag cccatatgca ggtggtgttt tcttagttc 240
aattcatttt cctcctqact atcccttcaa gccaccaa 278

<210>	46839
<211>	62
<212>	DNA
<213>	Glycine max

<223> Clone ID: 701039022H1

<400> 46839

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ga : 62

<210>	46840
<211>	266
<212>	DNA
<213>	Glycine max

<223> Clone ID: 701039023H1

<400> 46840

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ctttctagtc acagttgggt gggttggtag caaaggtag gcagaggaga ctcagaaaaga 180
gatggctgaa cacggaagag ttatggcaaa ctgtgtatat gctcccaatc cctaccatga 240
atgcacggag gcttgcgtgc aaagaa 266

<210> 46841
<211> 263
<212> DNA
<213> Glycine max

<223> Clone ID: 701039025H1

<400> 46841

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ttctctcttg ctcttcagg agagagccat gtccatgcac cgctacctga ggaagattat 120
tgggaagctg tttggccaaa cactcccatt cccactgcac tgcgagacct tctaaagcct 180
ctccctgcag gtcttgcataat cgatgaactc cctaagcaaa ttgatgatac acagtaccca 240
aaaacattct tctataaaga aga 263

<210> 46842
<211> 238
<212> DNA
<213> Glycine max

<223> Clone ID: 701039027H1

<400> 46842

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tctctttctc ctccaaactgc cacgtgtcct cttccgctca agcaacacta caacaacaac 120
atgaacaaca gccccttccg caaagctcac agctggtggc attggaatat gctgacctca 180
acctctctta caactcgat ctcgctcacg tcaggctacc gcagcatgtt aatcccc 238

<210> 46843
<211> 260
<212> DNA
<213> Glycine max

<223> Clone ID: 701039029H1

<400> 46843

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caagaaaaaga tgtcaggtga agaggttagct gttgcagttg aggtacctgc tacttcaatt 120
ccaggtgagc caatggacat catgactgct ctacagcttg tgctgagaaa atctctggcc 180
tatggtcctc ttgcacgagg tcttcatgaa ggtgccaagg tgatcgagaa gcatgctgca 240
cagctctgtg ttcttagcaga 260

<210> 46844
<211> 261
<212> DNA
<213> Glycine max

<223> Clone ID: 701039030H1

<400> 46844

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acgtggaaca attggacata tagcaccaga gtacctctca actggaaagt cttcagagaa 120
gactgatgtt tttggatatg gtgtgatgct tcttgaacta ataactggac aaaggcctt 180
tgatctagct cgacttgcca atgatgatga tgtcatgttgc tcgattggg ttaaaggact 240
tctcaaagac aggaaattgg a 261

<210> 46845
<211> 260
<212> DNA
<213> Glycine max

<223> Clone ID: 701039031H1

<400> 46845

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agtttggtgg acttcatgat aagtataaa agtactttt ctcagcgggg acagttaaag 120
aggcctgatc atgctgacct gcggtacaag tgcaggacat atgcacgtct tctgcaacat 180
ttgaagagtc ttgacaagaa ttgtttgggt ccattgagga aagcttattt cagttctcta 240
aacttgcttc ttgcagaga 260

<210> 46846
<211> 260

0
1
2
3
4
5
6
7
8
9

<212> DNA
<213> Glycine max

<223> Clone ID: 701039032H1

<400> 46846

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ccttaatgcg gagaatccga gcctgcaggta acgacgattt tgaacatgtc 120
aatattggaa gcgaataaga ctaagataat ggagactgac ggcgcgttaa acggcatcgc 180
gaggttttga tatcgggtgc cacgtggag gccaaggcga acgcggcagc acggtgttta 240
gtttgtccgg tggcggcg 260

<210> 46847
<211> 265
<212> DNA
<213> Glycine max

<223> Clone ID: 701039034H1

<400> 46847

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tgggagatcg tgaagaagaa caactccttt ttggtgaaag agttcggaaag gggcactcag 120
agcgtgcagt tcagcagaga gcccaacaat ctctacaacc tcaacacttt caagtactcc 180
ggtttggcga accagaaaac tgtcactgtt caacctgctg gttaagacca gtccgtgtt 240
ctcgcaacaa ccaagacaaa gaagc 265

<210> 46848
<211> 265
<212> DNA
<213> Glycine max

<223> Clone ID: 701039035H1

<400> 46848

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aactctagcc aatctagttg tatgctgtct tcattctggc aaaccatcta acaaattcatt 120
cagccagctg aaactttctc acccagagca tgtattggc aaacgggtat catcagctga 180
agaaagttt gatagagcgc tacaatcatt ttccatcgtga gtgtcgatga ttgaatttct 240

ttcaagagtt gaatggtgtg aggtc

265

<210> 46849

<211> 263

<212> DNA

<213> Glycine max

<223> Clone ID: 701039036H1

<400> 46849

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cttagcgatg atccctttct tcattgccttc ctcttcctct cacctcggttc gcgcttccgg 120

tgacgcccac gacgcgatct tctacgagtc gttcgacgag gattttgcgtg gacgggtggat 180

tgtatccgac aaggaggatt acaatggtgtt ctggcagcat gccaagagtg atgggcatga 240

tgattatgga cttcttgta gtg 263

<210> 46850

<211> 262

<212> DNA

<213> Glycine max

<223> Clone ID: 701039037H1

<400> 46850

attccccaaag cattagaaga tgagtatggt ggcttttaa gtaccgcgca tagtcaaaga 60

tttccgagac tatgcggAAC tttgcttcag ggaatttggat gatagggtaa agtattgggt 120

tacattgaat gagccatgga gttacagcca aaatggctat gcaaattggc gaatggcacc 180

tggtcgttgt tctgcttgaa tgaatctgaa ttgcactgga ggtgattctt caacggagcc 240

ttatTTGGTT acacatcacc aa 262

<210> 46851

<211> 265

<212> DNA

<213> Glycine max

<223> Clone ID: 701039040H1

<400> 46851

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taacatgtca tgcaatgatg atctccactt tgtaaatttg tcttcaaatac ttctgaaagg 120
tgaacttccc acttgttag aaccaaagac cagggttgg ctgtatgcta gaaaactgctt 180
atcaaacaag aaccaagatc agcacccttc agatttctgc agcaatgagg ctttggcagt 240
gacaatcata ccccatcagc agaag 265

<210> 46852
<211> 268
<212> DNA
<213> Glycine max

<223> Clone ID: 701039005H1

<400> 46852

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cctacaccca ttctacactc gcctccttcc aaaacccgcac cctccacaca cctcttcctc 120
cttcgcccccc tcagattcaa aagacctgtc ccccccgtga aaggtgcgtat ggcggagacc 180
aacaacaacg ttgccgtcga ggtccctgaa aaagaggatc ttgccgtgtc cctggccaaa 240
tacgtcgccg atctctccaa caaattca 268

<210> 46853
<211> 258
<212> DNA
<213> Glycine max

<223> Clone ID: 701038972H1

<400> 46853

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ccaaggcctt agcttttaggt cagtttagatg atatgtttgc atcatgttat ccgttagcttc 120
aactttctgt aacttcttgtt ataggcaaag gttcaatctat ccttctcttg 180
cttttgccaa aatgttatgg tgaataggaa gaaaaagatg gaaaaaaaaatg tgactgttc 240
atgtactgtat attgtaaa 258

<210> 46854
<211> 256
<212> DNA
<213> Glycine max

<223> Clone ID: 701038973H1

<400> 46854

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tctgatatta agttgcctt tggtcgattt tcttcaggat tgaaaggctt tcggatatt 120
gacttgtttg tccagcacaa cgatggaaa aagatcatag atcctgaaag ccagaaaacc 180
ttgtgttcat gcttaaaaga agagatgcta tccgttgcgg gtgacgatag tgaaccgggg 240
tccagacaca gaacctt 256

<210> 46855

<211> 254

<212> DNA

<213> Glycine max

<223> Clone ID: 701038974H1

<400> 46855

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ctcctccacg accctgcctt tgagttctcc gatgatgctc gtaattgggt cgaccggatg 120
ctggactaca atgtgccggg aggaaagttg aaccggggac tgtcagtaat tgatagctac 180
agattgttaa aagaaggaca ggcattaaga tgacgaaatt tttcatgcca gtgctttgg 240
ttggtgttatt gaat 254

<210> 46856

<211> 257

<212> DNA

<213> Glycine max

<223> Clone ID: 701038975H1

<400> 46856

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ttcactgtca caccacttcc taccctttg tttagatact cttcttcatc atcatcttg 180
aagagcaata agcaattatc caagaaacca atcagcattt gatgatctga atgagtcagc 240
aagcttgcct tcaactt 257

<210> 46857
<211> 258
<212> DNA
<213> Glycine max

<223> Clone ID: 701038976H1

<400> 46857

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agtggacatg gccagactct tcgccttgca cgacgtcgac gtcaccatca tcaccaccgc 120
acataacgcc accgtttcc aaaagtccat cgatttagat gcgactcgcg gtcgccccat 180
cagaacgcac gttgtcaact tccccggcgc aagtgggtct ccccgttggg atcgaagcct 240
tcaacgtcga tacgcctc 258

<210> 46858
<211> 255
<212> DNA
<213> Glycine max

<223> Clone ID: 701038977H1

<400> 46858

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gtcttggaaag gctcacaagt cccagacaa gccttacctt attgaaaaga tcaacagaaa 120
cgaccctcaa gaagtttatct tttgcttcc aggatcaggt gctgtcaggg attggtaactc 180
tcagaaaaaac tttggtgaaa cacaataga ttggtctgtt tccctcactc agaagcattg 240
gtatcgatga acaag 255

<210> 46859
<211> 260
<212> DNA
<213> Glycine max

<223> Clone ID: 701038978H1

<400> 46859

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tctcctcact tggtcggaaa ctccctccgccc agaatccgccc gccaccgtcg cctccgcccac 120

ccgctctggc cagccttccg atagaatcg caaggttctc catggcgccc agtcaccga 180
cgaagaagct cagccgctag ccaagagcaa actgctcagg gtataaaatg aaaacatga 240
ctggaagtgg tatattttct 260

<210> 46860
<211> 261
<212> DNA
<213> Glycine max

<223> Clone ID: 701038979H1

<400> 46860

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tcatttctcc tgccaccagcc ttggtaagg aatttagatga gacaagccaa gtgtacccaa 120
aatttgtgtt tcatgattac atgaagctct atgctggtct caagttcag gctaaagagc 180
caaggtttga agctatgaag gccaatgcaa gcagttgatg tggggccat agccacagtt 240
tgagtctcag ggctctcagc a 261

<210> 46861
<211> 262
<212> DNA
<213> Glycine max

<223> Clone ID: 701038980H1

<400> 46861

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actatctgag agcattttgt gcactactgg gttgaaaatg tatatgctgg agagcaaagg 120
agggtgccata gcatgcacgt tcttgcctct tttcttcttgg gggacatggc ctgctcttt 180
gactatgtta gagaggcgtg gtcgtcttcc tcaataccta ctttgattac tcaatcacca 240
atttcttggc tgctttactc at 262

<210> 46862
<211> 254
<212> DNA
<213> Glycine max

<223> Clone ID: 701038984H1

<400> 46862
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ctgtgtccat cacaccaaac caccaagtgg catcaatctt tgcagcagca ttcttatggac 120
tctttaatct cttctctggt ttcttatcc caagaccggt gagtaccatt ctatgttcgt 180
tattatattg aaacaaacat atcttacaat cttaactaac ataactcttc taccaacttt 240
ggcttttcag aaaa 254

<210> 46863
<211> 257
<212> DNA
<213> Glycine max

<223> Clone ID: 701038985H1

<400> 46863

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tactgagtca gcattcaagg ggaaccctgc atctgtgtgt ttcttagagg aagagagaga 120
tgaggagtgg ctgcaaggcag tagccgctga attcaataatc tctgagactt gttacttatac 180
acgcatcacc cactcgctcc atggaatcta atccccgttt tcgtctcaga tggtttactc 240
ctgttgctga ggtaaaa 257

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<210>      46864
<211>      258
<212>      DNA
<213>      Glycine max

<223>      Clone ID: 701038986H1

<400>      46864

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gtaagctaag cttcaactgcc atgcctgcaa cgccattctc gtgttcgttc ctcactcttc    120
aaccgcgcctt caactcctac gttaacccca tcttccgttc actcaccttc caactcttt    180
cttcgcgcgtt cccattgttc acttaggaaag ggagaagaaa ttaaggatca gctttattgt    240
tttgaagatc gaggcaat                                         258
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<210> 46865
<211> 256
<212> DNA
<213> Glycine max

<223> Clone ID: 701038987H1

<400> 46865

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tgcttacatt ggccccccag ggaagggtat cttgtgtct gatgagtc aa ctggtaat 120
tggcaagcga ttggccagca ttaatgtcga gaatgttga gcaaataaggc gtgtcttcg 180
tgaactccta ttaccacac ctggtgctt agtgcctcag tggtgtgatc ttgtttgagg 240
aaaccctata ccaaaa 256

<210> 46866
<211> 256
<212> DNA
<213> Glycine max

<223> Clone ID: 701038988H1

<400> 46866

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gaatcttggg ctagagaaag ggtatctgaa gaaggtgttc tatggatcaa agggcccaa 120
ttttggtacc acagtttgc actaccctcc ttgtccgaag ccagagctga taaagggct 180
cagagctcac acagatgctg gtggcatctc tactttcca agatcacaag gtcagtggat 240
tacagctcct caaaga 256

<210> 46867
<211> 253
<212> DNA
<213> Glycine max

<223> Clone ID: 701038989H1

<400> 46867

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gtctctgtca atgatcagga gaatgaaagg gttccttctg attctagcca gaagcattgt 120
gatgttgata tgggtgtgt ttcatcatct attagtgaag gtagcatgga aatcgagttg 180

acaacttcca cagtatcaat cgatctgacc tgtcaataat tcagttcac aagtttttc 240
agaaaataat agt 253

<210> 46868
<211> 253
<212> DNA
<213> Glycine max

<223> Clone ID: 701038990H1

<400> 46868

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atggccgact catctcaaga ctttgaccaa cttctcgata gtgcttgga tgattttcag 120
tccttcaacc tcaatcctcc ccctccaagt gggaaagcaa ctgcgaatag caagaaggag 180
agtccttctt tgccgtcggg gttcaaatt gggcatgggt ttacccgatt tgagaacgaa 240
aaaaaaaggaaa aaa 253

<210> 46869
<211> 256
<212> DNA
<213> Glycine max

<223> Clone ID: 701038991H1

<400> 46869

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cgaaattgaa gctcgagatg tcatcaagat tgtgcttcag tttgcaaag aaaattcgat 120
gcatcagact tttcagatgc tgcagaacga atgccaggat tctctgaaca ccgttgacag 180
cattgagacc tttgttgctg atattaattt gaaggtggga tgcaatattt cctcaagttt 240
ctcaactcaa gtttcc 256

<210> 46870
<211> 253
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<223> Clone ID: 701038992H1

<400> 46870

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cgcgcaggcg gccaccacaa gttagnctt ggtctaataa ctttccaga gtctagcatc 120
tgcctgttct tcatagttat tagacccaag gctcaattgt cgtgtccacc tgggcaaaag 180
atctctaaga ttAAATTGc aagatacatt gncanatgga gattgtggaa acttcagaga 240
aggaagttgt cat 253

<210> 46871

<211> 239
<212> DNA
<213> Glycine max

<223> Clone ID: 701038994H1

<400> 46871

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cacccctcatc ttcatcgccg ttcagcgctt ctgcattt cgaaccgctg cttcaaccat 120
tcctcctgct gaaccggact ctctccgtaa accctcctcg aaccgctcct ccacgcgcc 180
tggccaagcc cagtttctca actgcccAAC ctagtggctt ctccctggcga ttttgaatt 239

<210> 46872

<211> 259
<212> DNA
<213> Glycine max

<223> Clone ID: 701038995H1

<400> 46872

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attttcttgc aggaacctac caatgccctt agaaagacct acattgtgtatcatggagga 120
cattctcatg gtccagaccc tttgcctagt gatcttgaaa cagccacaaa ttcccatcat 180
gatTTACTCG CTTCTTACTT aggaagtcac gaaggccaag gcagcaatta tatactcgta 240
caataagtac atcaatgg 259

<210> 46873

<211> 263
<212> DNA

<213> Glycine max

<223> Clone ID: 701038996H1

<400> 46873

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caggttccgc gagacacgca aggaaagatg tttgacaag aaaatttagt attccgtcag 120
aaaagaggta gcacagagga tgcatcgaa gaatggcag tttgcttcct tgaaggaaag 180
cccaggtca tctaatacgg attctgcaca gagctggtca agttggcact tctcattctg 240
aatctgtacg tagatgtcac cat 263

<210> 46874

<211> 277

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<223> Clone ID: 701039001H1

<400> 46874

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gagaggaacg ctgcattgct tgcaaacttt gtgaagctat atgtcctgca caagcaatca 120
caattgaggc tgaggagcga gaagatggaa gccgcaggac aactcggtat gatattgaca 180
tgaccaagtg catttattgt ggattttgtc aagaggcatg ccctgttgat gcgattgtt 240
aagggc当地 ctttgaattt gctacagaga ctcatga 277

<210> 46875

<211> 196

<212> DNA

<213> Glycine max

<223> Clone ID: 701039002H1

<400> 46875

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aaactaaatt gattagcggtt gttggatgag ttaccataga atttgttatac tatggtctt 120
taatgcattt attgttacac tgcatgattt tgaagattag tgccgtcatg attttattaa 180
tgttcaatt ttactt 196

<210> 46876
<211> 268
<212> DNA
<213> Glycine max

<223> Clone ID: 701039004H1

<400> 46876

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gtctctcaat ggaatgactg ctcttgcac cggcggcact cgtggatcg ggcactccat 120
agtgagtgac ttggctgcgt ttggcgtcgc agtgcacacc tggccagga cccaaacaga 180
gctcaacaaa tgcttacaag agtggcagag tcaggggtt caggttaactg ggtcgctcg 240
tgacgtgtcc tcaccacccc agagagag 268

<210> 46877
<211> 258
<212> DNA
<213> Glycine max

<223> Clone ID: 701038971H1

<400> 46877

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tttgccttct tgaagttagc tgccactaca gaatcaagaa aagatacagg ggaatattgg 120
aaaatgatca tgaaagatca ggaaatgcc aaggacttc aaggtcttgt ttcatttcaa 180
tctgaaaata accctaagac tcaagagcag tggtaaaggt tccaaaaacc attgtgaaga 240
gtctctagtt acaaatac 258

<210> 46878
<211> 263
<212> DNA
<213> Glycine max

<223> Clone ID: 701038943H1

<400> 46878

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ctagggctca tttccagat ctattcagtt tttctctcct ctctttccg atccaccgtt 120

ggagatcgaa gatggtgtcc gacgccagca agaagaaggc cgcacagaag aaggccgccc 180
ccgcccggcaa gatagggtggc aaagctgccg ccgctcgta tggccggcac ctcttccaaa 240
gccggccgaca aggtcgccaa cg 263

<210> 46879
<211> 259
<212> DNA
<213> Glycine max

<223> Clone ID: 701038944H1

<400> 46879

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ccaaattcaa ttcaaactct tctcatcaa atccaaggct cgttcttgc accctaattc 120
gatatccctcc tcctcagaag aagaaggatc gatgtggca gtttcttgcc tggcgtcatg 180
ctgcgcggcc tgcgcatgct acgcctgcag gaccgtcatc gggaatcagc cggcggtcc 240
ccaggatcgc ctactgcgg 259

<210> 46880
<211> 261
<212> DNA
<213> Glycine max

<223> Clone ID: 701038945H1

<400> 46880

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tgcaaacaaa tgtttcacc ggaggcaagg gtgatagaga gcaaagaatc tatctctgg 120
ttgatccac gaaagagtac cacagatact ccattctctg gaacttgtat cagattgtgt 180
tctttgtgga cgaggtgcca atcagggtgt tcaaacagca aggacttggg agtgaatcc 240
ccattcgacc agccaatgaa g 261

<210> 46881
<211> 264
<212> DNA
<213> Glycine max

<223> Clone ID: 701038946H1

<400> 46881
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atcgcaactaa ggctgaatct ttgcagttac atgaatgtgg aaaagtttg gatgatctat 120
ttttgttaa tacttccaag actaaatcag catgatttg agcgcctatc aactcccaag 180
attgttgaag caagagatgt gcttcttcag aaactgagag aggaaaaatt tgcaagccgg 240
agaacctgaa aaaccaagga ctgt 264

<210> 46882
<211> 266
<212> DNA
<213> Glycine max

<223> Clone ID: 701038949H1

<400> 46882
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gtcttgcag agaaagccat gccagagacg aagatttttgcatgctgtt tgccaaaca 120
ctcccattcc aagttcatttgcagatcttc taaaggcttgg ccctgcaagt gttgaaatcg 180
atgatcaccc tatgcaaattt gaagaaacac agtacaaaa ctttcttcta taaaggcagac 240
cttcatccag gcaaaaacaat gagagt 266

<210> 46883
<211> 264
<212> DNA
<213> Glycine max

<223> Clone ID: 701038950H1

<400> 46883
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atgttagtata gtagggtaat tttgtggtgc tttgtttcac gagtaacatc tgcaagaagt 120
cttctccatcc accatgccac caaagcctt agactatggg tcaataaatg aaaacgtgaa 180
gaagagtcaa tatgctgtca gaggtgaattt atacccgagc ttctgagctt cagaaagagg 240
gcaaaaagat tatatttact aatg 264

<210> 46884
<211> 260
<212> DNA
<213> Glycine max

<223> Clone ID: 701038951H1

<400> 46884

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cttccttttc tgatttcctt gatcaaaaata agtttatgtat gttggataag tcaactgccg 120
aatctgtttt ggatcaaaaag ttggatgtgg agaaagaatt aatagagcag gaaatgaatt 180
tatcttcttc atatgaggag aaaaacgata ttaaggcatt caagtggtgt tggtagat 240
gtgaaggaaaa atgattcata 260

<210> 46885
<211> 262
<212> DNA
<213> Glycine max

<223> Clone ID: 701038953H1

<400> 46885

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ctttggatct ccgatcgag ctttacccat ctttcttga tcttcaagga accctttggg 120
acactaaagt ttccaaattt aagagggaaac gataaaaaaaa gggcttgctc cgagaggtt 180
gcgtctgggg gggaaagattt ggatcggtt tcgggtgaca tatctgaggg tggtagtt 240
tggcgaaaag ttggcttagt ga 262

<210> 46886
<211> 262
<212> DNA
<213> Glycine max

<223> Clone ID: 701038954H1

<400> 46886

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tcaattttttt gtaacatttt atgaaagact taaatatgtt tttgaccctt gatataatata 120
ctcgaattttt gccataatca attacaaagc ggcattctat gtttgacaa aactcaagcg 180

tttacgctct atgctagcca agcggatcaa tattatcagc agtttctct tcaaccatg 240

ttatagattc ctgctctaac ag 262

<210> 46887

<211> 255

<212> DNA

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<223> Clone ID: 701038955H1

<400> 46887

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gaggtgcgct aatgccttct taagtttgc tttctgtca cttccctct gtgttggtt 120

gctctgatca ctttgtctg cattacaacc tgaggctcag atctgatctc ttgatccaca 180

aaaccatggc tgaaaaggtg accatcatga aacaagggtt accttgagtg tgagaactgc 240

tacaagaagg ttaag 255

<210> 46888

<211> 262

<212> DNA

<213> Glycine max

<223> Clone ID: 701038956H1

<400> 46888

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cactaggcga tcctcctccc gggtaactc gcccgtgact caccgcagag ctgccccgcc 120

cctgacccca acctctacta caagccagtc atcggaatcg tcagccatcc cggcgacggc 180

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cgttgaggcc gccggcgccc gt 262

<210> 46889

<211> 256

<212> DNA

<213> Glycine max

<223> Clone ID: 701038957H1

<400> 46889

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gggatttgc tatggataag tatgaggctg tcaaggattt gggagctggg aattttgggg 120
tggctaggct catgaggaac aaggagacca aggagcttgt tgccatgaaa tacatcgac 180
gtggccaaaa gattgatgag aatgtggcca gagattatca accacagatc ctttcggcac 240
cccaatataa ttgcgt 256

<210> 46890
<211> 258
<212> DNA
<213> Glycine max

<223> Clone ID: 701038958H1

<400> 46890

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gactcttta gcgcgcctc tcttaaggct tatttcgcag agttccacgc aactctgatt 120
ttcgtgttcg ctgggtttgg atcagccatc gcttacaacg agcttacaaa agatgcagcc 180
ttggatccaa cggggctggc ggcagtagct ggcacatgca tttgcactgt ttgttaggtgt 240
ctccgtcgcc gccaacat 258

<210> 46891
<211> 256
<212> DNA
<213> Glycine max

<223> Clone ID: 701038961H1

<400> 46891

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gttaatctt tatgtttact gttaacagct cgagattacg aatttctgat ttctgaaaaaa 180
aaaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaag 240
ggggggcccccc cctttt 256

<210> 46892
<211> 260

<212> DNA
<213> Glycine max

<223> Clone ID: 701038962H1

<400> 46892

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ccataaccat agctttggtt gagttgaggg atttgattat ggataagtat gaggctgtca 120
aggatttggg agctggaat tttggggtgg ctaggctcat gaggaacaag gagaccaagg 180
agcttggtc catgaaatac atcgagcgtg gaaaagattt atgagaatgt ggcaagagag 240
attatcaacc acagatccct 260

<210> 46893
<211> 265
<212> DNA
<213> Glycine max

<223> Clone ID: 701038963H1

<400> 46893

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ctgtgaactg agatggctgg aggtgttatt cggcagttat ttaggaggaa actccaatct 120
cattctccta attttcttt taagtcattc attatcacaa agaaagatgg tgctgactct 180
attggcaaca actccttaag agtgcttgca ttagtttagct ggtgtctcag ggtttctagg 240
ttttgcaaca acagcattt ctgat 265

<210> 46894
<211> 265
<212> DNA
<213> Glycine max

<223> Clone ID: 701038964H1

<400> 46894

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gagagggagg aaacatggct acggcgtcgg cgtcggcgctc gtgggaggaa ctgacgctga 120
aagtgaaatg gagcggcaac gaatacacccg tccgcgtctg ctgcgacgac accgtggcgc 180
aactcaaacg tcgaatctgc gagctaacca acgtcttccc ttccgcagaa gctcttgcac 240

cctaaactcg cttccaaact cagcg

265

<210> 46895
<211> 261
<212> DNA
<213> Glycine max

<223> Clone ID: 701038966H1

<400> 46895

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tgttgttga gggagatggt ggagggttact acacttggtg gagttctaaa gtgccactgc 120
tggccaagac caatgttggt gctggtcggt tagtgctca gcctcagggc tttgctattc 180
ctcattattc agatataatcc aaagtaggtt atgcttcaag ggaacgatgg cgtagctggg 240
atggccctcc gcaacagtac t 261

<210> 46896
<211> 259
<212> DNA
<213> Glycine max

<223> Clone ID: 701038967H1

<400> 46896

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tgcattcccc aaccccccctc caatggcttc tgcttcctta atcaactcgt tgacttggtc 120
ttcgcgtgct cccactcagc actgttccac tttcacccgc accaccgccc ccacgtcact 180
gagacaattt aacagccact gtcggagacc acgacgacgag gatctcgccg ccttccacccg 240
ttgtctgcaa agctgtctc 259

<210> 46897
<211> 259
<212> DNA
<213> Glycine max

<223> Clone ID: 701038968H1

<400> 46897

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gcgcacccaaa cagccccagt caatttctt ctctcttcta agacacacca atgccagaga 120
agaagaacaa gaaagtttct ttcaccgaag aagatgctgt tacgctcatg cagaggtacg 180
acgcaactac ggtgttcaact ttacttcagg atggcgcatt accctcaccc caagattgat 240
tggtgcgagt tggtgaaga 259

<210> 46898
<211> 259
<212> DNA
<213> Glycine max

<223> Clone ID: 701038969H1

<400> 46898

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tagatagtgc aagagaagcg taatctccaa gttctcatct tttttgttcc cttttgtttt 120
cagagatata cataggcccc agaagaacaa attgctacaa cctatttga tttgagatct 180
gtctgtctct ttggtttac ttcagggctc agttaggaat gcgaagaaaa tggggaggaa 240
aggaaatagt tggtttct 259

<210> 46899
<211> 261
<212> DNA
<213> Glycine max

<223> Clone ID: 701038970H1

<400> 46899

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tcactcctta tcccattcaa accccaacaa ccactgcact ctccctccca catctcttt 180
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<223> Clone ID: 701038942H1

<400> 46900

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tacatagaga tgatgtcaat gcaattgttg ttacaggtgc gaaggaaaa ttttctggag 180
gttttgatat ttctgcattt ggttgttattc aaggcgttag agcgtccaaa acctgggtgg 240
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<210> 46901

<211> 267

<212> DNA

<213> Glycine max

<223> Clone ID: 701038914H1

<400> 46901

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tagcaagggt tagttgaggc ctgtgtttt gaaacgtacg gtgtcggtt ggagttggga 180
aaacaaataaa ttctgagaga tggcaaccac gaaccctta tttgtgggt gacgacgctg 240
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<210> 46902

<211> 271

<212> DNA

<213> Glycine max

<223> Clone ID: 701038915H1

<400> 46902

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agagggttat ttttgatccc tcaaagctaa ttctctctc tctttttta tgtccgggac 180
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<211> 270
<212> DNA
<213> Glycine max

<223> Clone ID: 701038916H1

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ccgtttgaca aggtctactc gcccgataaa ggctcgctgc ttgggtttca aggctaagca 180
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gtattgttta tggttagccc accaaccaag 270

<210> 46904
<211> 269
<212> DNA
<213> Glycine max

<223> Clone ID: 701038918H1

<400> 46904

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gaataatgga ttggggaaac gtaaccgcgg aggatctgat cgacgcgctc cgcgaggctg 180
atggtcgtc gccgccgcgc ccgctgtcgg aattcttctc gattcactgt tcccatct 240
tcctctaaat ggaacagccg cctcaaatg 269

<210> 46905
<211> 265
<212> DNA
<213> Glycine max

<223> Clone ID: 701038920H1

<400> 46905

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ctctctctct cccctccgccc atggctgagg ataaggagat gtctacctct gtcataatg 180
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aaacagacta ttagctacat ggcag 265

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<223>    Clone ID: 701038921H1

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cacagtgttgc aacccaaagg gccgaatttg gacaatggta gctgggggag gtgcttagtgtt 180
catttatgct gatacggttag gagatcttgg ctttgcatttga gcttggaaac tatgctgaat 240
acagtgggtgc acccaaagaa gagga                                         265
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<210> 46907
<211> 267
<212> DNA
<213> Glycine max

<223> Clone ID: 701038922H1

<400> 46907

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gaaggcttaag ggaccacttg aggcttctcg gcctaaattt cagccaacgc agcagcaaac 180
acgttaccgg aaatctcctt atgctccttc aggagaaggg gggaaagtgtt ccagccgagg 240
atgcacccccc caaccaggtaa gcagcaa 267
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<210> 46908
<211> 265
<212> DNA
<213> Glycine max

<223> Clone ID: 701038923H1

0952440200

<400> 46908

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acctccctct ctcaccggga ttgattctcc atggacgagt atctctctct ctgtttcaa 180
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<210> 46909
<211> 266
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<223> Clone ID: 701038924H1

<400> 46909

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ggacgatgg gcagatgaaa ttaaagaagc cgcacccaaa ggtgacgggg aacaaaatta 120
aacataccat actctctgct tattagtcat tgaacttccc ttctgtaatg ttttcaaagg 180
gagaaggtgt tgaatgctaa tctcaatgtt actgagattg ggcattcgtg ttcttcgtta 240
tgaatttgtgg atgtactggg ctattt 266

<210> 46910
<211> 264
<212> DNA
<213> Glycine max

<223> Clone ID: 701038926H1

<400> 46910

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gccacctggc ccgactcctc ttccataat cgcaaccc ttccat aacaacccat 180
acaccgttcc ttccaccgca tgtccaaaa atatggacat catatccctt tggtttgggt 240
cacgtcttgt tgggttcat 264

<210> 46911
<211> 264
<212> DNA
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<223> Clone ID: 701038927H1

<400> 46911

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ttccaagctt tgggtcaccg aaaatcatcc tcacatcttgctc ctccctgctt tgcgcaaatc 120
acttaaaaact cttcaacttag agtactttgga cctgttatctc atccactggc ccctgagttc 180
tcagccaggg aagttctcat ttccaattga agtagaatct cttgcctttt gacgtgaagg 240
gtgtgtggga atccatggaa gagt 264

<210> 46912
<211> 264
<212> DNA
<213> Glycine max

<223> Clone ID: 701038928H1

<400> 46912

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aactcaatga atgcggaatc accgcggggg ctccatgt cggtttctg cctctccgac 180
tacgacctcc tctgcggcga ggactcctcc ggaatcctcc ggagagtcgc cggagtgctc 240
cttctccgac atcgactcct cacc 264

<210> 46913
<211> 264
<212> DNA
<213> Glycine max

<223> Clone ID: 701038929H1

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gatacgacgt cgtctgctc gagctggttt ttctggattc tgtcctccag acccgacgtg 120
caaagaaaaa ttccggacga aatcgaaacg gtttagatcgg aaaaatcaaa gggcgcgttt 180

ggatacaggagg aggtgaagga gatgcgctac ctgcaaggcg atttcggaga ccatgagggtt 240
gtacccgcca gtgccggttg acac 264

<210> 46914
<211> 265
<212> DNA
<213> Glycine max

<223> Clone ID: 701038930H1

<400> 46914

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acatgggta tgatgaaagg ggtcatggca ttggcttcac agaagggtga ggaattcgct 120
agagataacc cgaattggac gtctgataac tggcaacgaa atgaaagtga tagaacatgg 180
tttctaccag gagttcaatc gagagaataa tggccggttc ttctaccaga gaaggacaac 240
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<210> 46915
<211> 268
<212> DNA
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<223> Clone ID: 701038931H1

<400> 46915

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acactgatga gtttgattct gttgctgttg ttatTTactt cgatgtgag tgcttggacc 120
ggtaaatcc atgaaagagt tgTTTgtgac gtttgggg attcttctct tggacctgaa 180
gaccatattc ttgaagggtgc tgaggttgct gttcttgcc accaagtctg gggaaagtct 240
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<210> 46916
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<212> DNA
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<223> Clone ID: 701038932H1

<400> 46916

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accacacctt cccaaccgac atcaccaagc catcacaatt accaatctg accaggctcc 180
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<210> 46917
<211> 270
<212> DNA
<213> Glycine max

<223> Clone ID: 701038933H1

<400> 46917

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tgtcttcaga tgattacgac accaaacaca cccttaagct taacaacact caggcgtgga 180
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<210> 46918
<211> 264
<212> DNA
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<223> Clone ID: 701038935H1

<400> 46918

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tttgcttgtt ccagtactaa gggaaagtat ccgttaaact ggggagcggc ggcggaggcg 180
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<210> 46919
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<212> DNA
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<223> Clone ID: 701038937H1

<400> 46919

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cctctttgca acacaacttc atcatgttca aaaccttact gatagagtac atggaaccaa 180
gctgcataaa ggtgaagact ggcatacaca cgagagtcaa acactggact tataccatag 240
atggtaaggc tacaacatgt ctgg 264

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gagttAACG gcgaacccaaa cgcagaatcg gcggcagaaa ttgccaccgg aagcacgtcg   180
aagaggtgtg aaccaaacac aaaattccat ccaccttctc ttttcaatcc ccaactcaga   240
tctgtgaaga aaatctcaat ttc                                         263
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agatgacggc ggccggcgctg cggaagcggt tcgaggagaa gaaccctcc gccgtgtcgg 180
tggaggtcgg agagcatgtc cagctcgctt ataccccaaca acgagtcgcc gtttcagccc 240
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262

<210> 46922
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<212> DNA
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<223> Clone ID: 701038940H1

<400> 46922

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ccttatagca ctaattggat caactcaagc tcaattgcag cttggttct atgccaaaag 180
ttctccaaag gctgagcaa taattctgca gtacggttga gcatatccac aacgctccat 240
caactagcagc tgctctcata aga 263

<210> 46923
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<223> Clone ID: 701038941H1

<400> 46923

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tcacttggcc aattcgtcaa aagattgctc tagggaccgc tagggggttg gcttatttgc 120
actatggagc tcaaccttcc atcatccata gggatattaa ggcttagtaac attcttctgg 180
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<210> 46924
<211> 265
<212> DNA
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<223> Clone ID: 701038913H1

<400> 46924

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ctctgatgat gtagtggagg ctgctgaaga atcaggtgaa cggcattgtt ggtgatgatg 240
tccaagactt tggatggg acttt 265

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<212> DNA
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<223> Clone ID: 701038855H1

<400> 46925

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cctggaaagcg ttaaccat 198

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<223> Clone ID: 701038856H1

<400> 46926

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gcacttacttttgcag 196

<210> 46927
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<223> Clone ID: 701038857H1

<400> 46927

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agttgtgttag tcttaggttct tagagctgca ttttctgact tttagaatat gtttcactgt 180
tgctaactgg ag 192

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<212> DNA
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<223> Clone ID: 701038858H1
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<210> 46929
<211> 191
<212> DNA
<213> Glycine max

<223> Clone ID: 701038860H1
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<210> 46930
<211> 191
<212> DNA
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<223> Clone ID: 701038864H1
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atacaagaga g 191

<210> 46931
<211> 190
<212> DNA
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<223> Clone ID: 701038865H1

<400> 46931

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tttggggc 190

<210> 46932
<211> 191
<212> DNA
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<223> Clone ID: 701038866H1

<400> 46932

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cttccatttc t 191

<210> 46933
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<212> DNA
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<223> Clone ID: 701038870H1

<400> 46933

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<223> Clone ID: 701038871H1
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<210> 46935
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<223> Clone ID: 701038872H1
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aataaaagaaa taaaaataaa agtaaaatag agggagaaat gagaagtgtg aagatggtaa 120
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cgacgcccacc g 191

<210> 46936
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<212> DNA
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<223> Clone ID: 701038873H1
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tggtcttgcg agagaaaagcc atgccagaga cgaagatttt tggcatgctg tttggccaaa 120
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cgatga 186

<210> 46937
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<223> Clone ID: 701038874H1

<400> 46937

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tgtgttcttg cttttgtggc tatcttgtat gtagagaggc tcagttcct ctttccaag 180
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<210> 46938
<211> 181
<212> DNA
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<223> Clone ID: 701038875H1

<400> 46938

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a 181

<210> 46939
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<212> DNA
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<223> Clone ID: 701038878H1

<400> 46939

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atttc 185

<210> 46940
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<212> DNA
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<223> Clone ID: 701038881H1

<400> 46940

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ataacaatag cgcaaacaac cacaccctcc caaccgacat caccaagtca tcacaatcac 180
acttaccaat cttgaccaag ctccatgctg gtactttt 219

<210> 46941
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<212> DNA
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<223> Clone ID: 701038882H1

<400> 46941

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<210> 46942
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<212> DNA
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<223> Clone ID: 701038883H1

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<223> Clone ID: 701038884H1

<400> 46943

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ac 182

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<223> Clone ID: 701038885H1

<400> 46944

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aaa 183

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<223> Clone ID: 701038886H1

<400> 46945

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acacc 185

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<223> Clone ID: 701038889H1

<400> 46946

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agagaaaccc aagcagatcg attactcttg agaaaacaag atgagccgcc acccttctgt 120
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<223> Clone ID: 701038892H1

<400> 46947

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tttggcggtt gcactcttcc tatgcatatt cctctgcctc tgcagctgctt attcaagct 179

<210> 46948
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<223> Clone ID: 701038893H1

<400> 46948

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ttagtgtggg tcattctgtt gtcgtggct atgactcctg gagtcctgg ttttgat 178

<210> 46949

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<212> DNA

<213> Glycine max

<223> Clone ID: 701038901H1

<400> 46949

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gctgcttcgt tggagggagt agaagcaaaa ctgtggcagg tacctgaaac attgcctgaa 180

gaagtccttg ctaagttggg agcacccca aagagtgtat ttccaatatt actccaaatg 240

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<211> 259

<212> DNA

<213> Glycine max

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aaaaaacccag cccaacactt cctgttcctg cctttactgt cataagtggg ggaaaacatg 180

ctgggagtaa cctggccatt cagaaatca tttctccaa tcggagcaag caaattttag 240

gaagcattgc gaatgggca 259

<210> 46951

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gatgcaacga ggaatgcact gaaaattttg tcacatggta aggatgatgg aagtgatact 120
ggtagagggaa gagaatatgg agggagaggt gggttggatc gaggcagggg cagaggcaga 180
ggcaggggaa gaggtcga 198

<210> 46952
<211> 261
<212> DNA
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<223> Clone ID: 701038904H1

<400> 46952

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gtcggcggtt tatatgccat tctttcatcc tcaacctctg ctagctctgt gatggctgtg 180
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tcgcgatggt tccaccacgg t 261

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<223> Clone ID: 701038909H1

<400> 46953

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taacttcact ggtgaagggg gtgtttcatt ggctatgtac aatactgatg agtctattcg 180
ttctttgcc gaggcttcta tggcaactgc ttttagagaaa gtggccactt tatcttagca 240
ccaaaaataac aattctcaag aaatat 266

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<223> Clone ID: 701038911H1

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tataaccatt gacagatatt caaattcagc ataattgtga ttaagattt ggtccttccc 180
tggaatgaaa atactgtttg tcaataaatt tggagtgat ttgcggttat attaatggg 240
ctgctactgt tcaacttcaa agaaaaac 267

<210>	46955
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<223> Clone ID: 701038912H1

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ttccacacac aacttgtaaa tggttccag tcactgacag cagagttatc acattacatt 180
cctgccattc tctcagagct atgacaagtg tttgcctcta tatggctt cgatttgttc 240
atattgttagt ctcctcattc cctttc 266

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<212> DNA
<213> Glycine max

<223> Clone ID: 701038819H1

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tttgggcaaa aaggtatccc atacttgaac acctacgatg gtcgcactat ccgctaccca 180
gaccctctca tcagagctaa tgacaccatt a 211

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<212> DNA
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<223> Clone ID: 701038821H1

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aaacatttag aagtcttggg aagcgcataat ttgatatacta tgttcaggga aaactgattc 180
gcaaaaattt tgatatagag aatgagaca 209

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<223> Clone ID: 701038822H1

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aatgtggcat cagggcttcc attgccgtt agcaacaaac ttcccagact aaggttgctc 180
tcctcagaat tggtaccaga ggaagtccac ta 212

<210> 46959
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<212> DNA
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<223> Clone ID: 701038823H1

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<212> DNA
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<223> Clone ID: 701038824H1

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<213> Glycine max

<223> Clone ID: 701038825H1

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tactctgcat gaacataaca ttcataactta agtttgctg gttgtgtgtg tgtttttgt 180
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<210> 46962

<211> 209

<212> DNA

<213> Glycine max

<223> Clone ID: 701038826H1

<400> 46962

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gcattacttt ctgagttctg atgggcaatt tttatgtatc ttgagagttc aaatagacat 180  
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<210> 46963

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<212> DNA

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<223> Clone ID: 701038827H1

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acagggttac agacacttcg acactgctg 209

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<212> DNA
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<223> Clone ID: 701038828H1

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acagcatccc cttcgcaaca ccaactctca ccaccgtat 99

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<223> Clone ID: 701038829H1

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<210> 46966
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<223> Clone ID: 701038830H1

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aggttttgc aagcttcaca tctcgattc gcgtcattct gatcttagta taaaggtgaa 180
taatgataga cgtagagact atactattc 209

<210> 46967
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<223> Clone ID: 701038831H1

<400> 46967

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ctgccttgca acttgtgctc agaaaatctc tggcttatgg tggcttgca cgaggccttc 180
acgaaggggc aaaagtgatt gagaag 206

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<223> Clone ID: 701038832H1

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gcggaggggcg taccggaggc gaattgctcc gccaaaggcca ccaagcaggg cgagggccttc 180
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<223> Clone ID: 701038833H1

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ggtttacgaa aagttggatt tccgcaagca gcggtg 216

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<223> Clone ID: 701038834H1

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acctatgacc actgtggaat ggtacttggt gttcacctgt gtagctgtgg tgctatcaca 180
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<223> Clone ID: 701038835H1

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tctgtcccg aaagaaaatcc ggcatgtct gccgcaccgc tgtccatgta cttgccggcg 180
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<223> Clone ID: 701038836H1

<400> 46972

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catggtgctt tattccta at ttttgtgggg gtggttctca gctacccagg attcaggta 180
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<223> Clone ID: 701038837H1

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acccttccta gcagcagaac cagagccagt gggtgataag caagggAAC ctttggagcc 180
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<223> Clone ID: 701038839H1

<400> 46974

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tgaaaaacag caacaacgac caccctgtct ttgtttttt tttttgttt gttgagttga 180
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<223> Clone ID: 701038840H1

<400> 46975

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ggagcggatg ggagggatt tcaagccctt ctcggaggc tcttcgtgct cgcgttcgat 180
cagcgaaacc gtgaacggct cgcaccaatt ca 212

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<223> Clone ID: 701038841H1

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gccgcccaca cgtgtcggtg tcctgcaccc tctccggcaa cggcaccgac gacgaggctg 180
agagggccct ccacatgga 199

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<223> Clone ID: 701038843H1

<400> 46978

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tggaaaggta agtgttatgc cttggttacc acttgttcc acttcttgaa ttaattttg 180
agccacagat agtgac 196

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<223> Clone ID: 701038847H1

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gacagtgaat atgctgcaaa tctgaaagcc ttcaagtgca aggacctcag taaattgaac 180
accacaaaaaa ttgaga 196

<210> 46981
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<223> Clone ID: 701038849H1

<400> 46981

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caccagtgtt ggagggatcg ttgaccaagg cttaggcttc ataggcagtg cagtcgatgc 180
acttacttt gcagcca 197

<210> 46982
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<212> DNA
<213> Glycine max

<223> Clone ID: 701038818H1

<400> 46982

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aaatttgate ccatgaacat atttcagctg gacatttgga actggaaatg acttgtatgc 180
attcaaatac agtagcattt tgttaaaaa 209

<210> 46983
<211> 197
<212> DNA
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<223> Clone ID: 701038850H1

<400> 46983

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tcatgttggt atgaagaaga agggtgttga tgagttccct ttctgtgtcc atctggtag 180
ttgggagaag gaaaatg 197

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<212> DNA
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<223> Clone ID: 701038851H1

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aatacgagag aagtgc ttca taaattc agt gtggatctcc caaagaaaca tggatgagga 180
aggcaatcag ctctg 195

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<223> Clone ID: 701038853H1

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gtgaaattcc cgttgttg 198

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<223> Clone ID: 701038772H1

<400> 46986

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gatgataaat gaaaacctga agaaggctga ggatcttggt gagcaaggaa tggttgatga 180
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<223> Clone ID: 701038773H1

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gtgtgggaca ggtagatcca gtagttgtgg ccgatactca tgaaaatgca aagattgctg 180
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<223> Clone ID: 701038774H1

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tactcgtaact tcagtagaaa actttcagaa gggtatttca gtcataaaat ctcagggagg 180
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<223> Clone ID: 701038775H1

<400> 46989

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gcaccgaaga aaagcgacag caccaggtagc tacgaaatcc tcggcggttc gaagaacgct 180
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<223> Clone ID: 701038776H1

<400> 46990

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cagacggatt cccactgata ttatTTtat atgattacac aaccagctac tactgacaac 180
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<210> 46991
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<212> DNA
<213> Glycine max

<223> Clone ID: 701038777H1

<400> 46991

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ccggcttga cccgtggaag tcgtctacgc ctccgcagtc gccggcgggg cggaacacgg 120
cgatcgaaaa cctagtgcgc cgttggtgcg gcggtaactcc atttcggcca cgtcggttct 180
tccgcaatcg aagcacgctg tggccttcaa gtttcagcgg ctgaaggacc aagt 234

<210> 46992
<211> 235
<212> DNA
<213> Glycine max

<223> Clone ID: 701038778H1

<400> 46992

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cgctaccgccc tcgcggccga gatcgcgacag tcggcgctcc agggcgtgct cgccgactcg 180
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<210> 46993
<211> 237
<212> DNA
<213> Glycine max

<223> Clone ID: 701038779H1

<400> 46993

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gctggtggac ctggtaaagg gatgtattca cgcttatatac tcaatgttct gaatgaatat 180
ccacaagttc attcaatttc agcattcaac aatatttaca atggcactgg cattttt 237

<210> 46994
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<212> DNA
<213> Glycine max

<223> Clone ID: 701038780H1

<400> 46994

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gtcaggttac taaaagataaa caggatgcta atgttcagat ggaaatatcc agttcagttt 180
agcatggaa agggagagca acttcattag gtttgattt gcaaactgtg gggaaagga 238

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<211> 236
<212> DNA
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<223> Clone ID: 701038783H1

<400> 46995

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tatcagacca ccaagaagag ggccagctgg cccaaatgcc ccgtcactgg caagaggatt 180
caggggattc cacacttgat gcctgcagag tacaagagat caaggttacc cagaaa 236

<210> 46996
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<212> DNA
<213> Glycine max

<223> Clone ID: 701038784H1

<400> 46996

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gacaggaata atgcatcgca attcacttaa aagatcaaat gatagtaccc ggattatcat 180
cacagctatc atggaaatttgc cctttggatt ttttgttggt atttcaattt c 231

<210> 46997
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<212> DNA
<213> Glycine max

<223> Clone ID: 701038785H1

<400> 46997

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ttcgtgttcg ctgggtttgg ttccagccatc gcttacaacg agcttacaaa agatgcagcc 180
ttggatccaa cggggcttgtt ggcagtagct gtggccatg catttgact g 231

<210> 46998
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<212> DNA
<213> Glycine max

<223> Clone ID: 701038787H1

<400> 46998

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gctcgatacg actagtctcg aatcggttcc cacactgatt gcacctcaaa acgacgtcgc 120
cgaggaaactc tccggccgctc cggtcttga ccttccgaat tccaatgact tcgatgggtt 180
cttggaaagac gctattcaga tggtaagcc cgccaaagggt actacaactc ttg 233

<210> 46999
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<212> DNA
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<223> Clone ID: 701038788H1

<400> 46999

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tttcttctac tctctccagt ccagccaaaa cgaagctcct tccatcattt tcagttttt 180
ctgtcaagtg ttgttgcttc ttctccaaa ctcgtccaaa cattgctggc aac 233

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<212> DNA
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<223> Clone ID: 701038790H1

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tgtcttttag ttttggcct tgcgttggac ttatggaa tgcataaaa taaggttctg 180
ctactcgctc agttgacaca ttgtgtcact cgctgg 216

<210> 47001
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<212> DNA
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<223> Clone ID: 701038791H1

<400> 47001

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aggggaaagc gccaaatgtat gattaggcca tcctccaaag tcattatcaa attcctttg 180
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<210> 47002
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<212> DNA
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<223> Clone ID: 701038793H1

<400> 47002

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aacaacagtt tccaaacttgc caattgctat gtcaagaccc aagattcctt catcacaaag 180
gattgcaaat gtatgtcctg caattcttgg agtagatct aagggtggtt catg 234

<210> 47003
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<212> DNA
<213> Glycine max

<223> Clone ID: 701038796H1

<400> 47003

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ttggcagtaa ggtcccaact gacaacagac ttttataaat catcatgtcc taacgttcc 180
aaaatagtaa ggagagaagt tcaaaaagct ctaatgaatg agattcgaat ggctgcttct 240

<210> 47004
<211> 213
<212> DNA
<213> Glycine max

<223> Clone ID: 701038801H1

<400> 47004

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catagcagca aaaagtaaac agaactgaac aactagtaat ggaagatact agcttcttg 180
tgatcttatac atccttctg cttctcatag tta 213

<210> 47005
<211> 93
<212> DNA
<213> Glycine max

<223> Clone ID: 701038803H1

<400> 47005

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<210> 47006
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 <212> DNA
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 <223> Clone ID: 701038804H1

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 gaagagagag accagttga agaagcaaac aatcagatag ttgaacacct gaagataaaag 180
 gaagatgaac tttcaaaatc agttagctca t 211

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 <223> Clone ID: 701038805H1

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 ctgaggttat tttagcaatt ttgctgaag ttagtgcagg gaagccagag ttcaactgacc 180
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 <210> 47008
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 <223> Clone ID: 701038806H1

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 ttagtgaatgg caccgatgtt ggttaattcggtt ttaaacactg gacttatgtt catagacggc 180
 aaggtaacacc catg 194

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<211> 212
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<223> Clone ID: 701038808H1

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accgaatccc tgagatttga aatccaatcc gggcacacca aatgcacatctc cgaggatatc 120
aagagcaatt ccatgaccgt tggcaagtac caaatcgta gccccaaacga gggtaaacct 180
ctgccagatg cccacagatt caccgtcagg gt 212

<210> 47010
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<212> DNA
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<223> Clone ID: 701038812H1

<400> 47010

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ccttctcaca gaagccactt caatccactt ttcttcattc ctccctcttt ctcaactctaa 120
gcattctcc taagaaaattt agaaaaaccc accaacttag aagcctcata gtggccaaat 180
ccaatggcag tgactctgct gatgttcct 209

<210> 47011
<211> 206
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<223> Clone ID: 701038813H1

<400> 47011

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gtacctaaag attggaaaga gtggcagatc tatttgtgc tattggact attttagca 120
tcagctgttg catttacat attcttgag aactctgatt cattctggaa ctttccatg 180
ggcaaagacc aaccagcaag accaag 206

<210> 47012
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<223> Clone ID: 701038814H1

<400> 47012

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tccctccaac tgagggctca tatgagt 207

<210> 47013
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<223> Clone ID: 701038816H1

<400> 47013

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catcgataac gtcaaggcca agatccagga caaggagggt atccccccg 109

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<212> DNA
<213> Glycine max

<223> Clone ID: 701038771H1

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ggccatgca aggccaaa 138

<210> 47015
<211> 236
<212> DNA
<213> Glycine max

<223> Clone ID: 701038738H1

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tcggcgccgc cgacgcgcga ctcaccttgg acttctacaa ggacacgtgt ccgcagttca 120
gccagatcat aaggcacacc gtcacaagca agcagatcgc cagccccagc accgcccggc 180
ccacgctccg cctcttcctc cacgactgcc tcctcccaa cggctgtgac gcctcc 236

<210> 47016

<211> 238

<212> DNA

<213> Glycine max

<223> Clone ID: 701038739H1

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tgtggacata ctgctatcac atatgcacca agctgtgaat cagcaagagc agaaatatgt 180
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<210> 47017

<211> 238

<212> DNA

<213> Glycine max

<223> Clone ID: 701038740H1

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<210> 47018

<211> 238

<212> DNA

<213> Glycine max

<223> Clone ID: 701038741H1
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ttccattgtt cagtaggttc tttatgtga aggttggatg gctgatctt ctcacttgta 120
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<210> 47019
<211> 236
<212> DNA
<213> Glycine max

<223> Clone ID: 701038743H1
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atagatgact tgcccaagac cgccgccaac tacacagcgc ttacgcccgtt gtggttctta 120
gagagagctg ctacggtcca cccaccaga aactccctca tccacggatc tcgtcgctac 180
acgtggcagc agacttacca ccgttggcgt cgattcgctt ccgctcttc taatca 236

<210> 47020
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<212> DNA
<213> Glycine max

<223> Clone ID: 701038745H1
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cagagagtat gactcacaga ggttggatgg ggagcacttt aagagactct ctggcaagga 120
gttggccatc aagtctgcac aaattaccgc atcaactgat ttcactgagc tacaagagaa 180
ggaaccctgg ctttcatctt ctaaatggat tttaaacct gacatgttat ttggaa 236

<210> 47021
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<212> DNA
<213> Glycine max

DRAFT - EPILOGUE

<223> Clone ID: 701038746H1

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caaaaacagt tatccagata cgaagtcatg cacagaagta ttttcttaaa gttcagaaga 180
agggaaacaag tgaacatgta ctcctcccc gcccaaagag aaaagctgct cgcccat 237

<210> 47022

<211> 241

<212> DNA

<213> Glycine max

<223> Clone ID: 701038747H1

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tccaaacactt tcttccttctt ctcttgc tttctttctt gtctcctctc agtccttcc 180
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<210> 47023

<211> 245

<212> DNA

<213> Glycine max

<223> Clone ID: 701038748H1

<400> 47023

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atatgatcct ttcctgaacg gacgcttcg tggacaaatc gaaaatgttt ttcaacctc 180
aatccaatat gaaaaaaaaatg aaaaaaaaaa taccatggat ataaataaaa ttcatggat 240
cctta 245

DRAFT

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<211> 173
<212> DNA
<213> Glycine max

<223> Clone ID: 701038749H1

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gctatggaag actcagattc agttgctacg ctgatagatt ccacaacttc taa 173

<210> 47025
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<212> DNA
<213> Glycine max

<223> Clone ID: 701038750H1

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ggaaatcaag gttatggata tgggtggat gctggatatg gtggaagtga tagttcttat 180
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<210> 47026
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<212> DNA
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<223> Clone ID: 701038752H1

<400> 47026

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ctaaacttcc tcaattcaag gggtatcaa aatctgctgg ttggttcat caatctgatg 180
gaggaaaatc tgccctccgg attaggttc caccctacag atgaagagct catca 235

<210> 47027
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<212> DNA
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<223> Clone ID: 701038753H1

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tgggacttca attccacat cagcacagta ctggacgac aagaaatcaa cagttgacca 180
tgatgataag agaaatatac aggatgagta tattaaggct tattatgctg ctttg 235

<210> 47028
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<212> DNA
<213> Glycine max

<223> Clone ID: 701038754H1

<400> 47028

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ctccagacct acatccaccc cgactccaa ccccaatcca acaatggcct cgagccgccc 180
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<210> 47029
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<212> DNA
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<223> Clone ID: 701038755H1

<400> 47029

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gtattaaaaat ataacaaggg gactgaggcc ataagaagca taagagcaaa ctgccagca 180
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<210> 47030
<211> 235

<212> DNA
<213> Glycine max

<223> Clone ID: 701038756H1

<400> 47030

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<212> DNA
<213> Glycine max

<223> Clone ID: 701038757H1

<400> 47031

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agagcaaggt tatgtggata gtggcggcac cagccatatt cacaaggaaa tccacctttg 180
gcatcagtgt tataagccaa gctttgttg gccatattgg ttcttaaggaa ttggcc 236

<210> 47032
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<212> DNA
<213> Glycine max

<223> Clone ID: 701038760H1

<400> 47032

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atactggagg gacttcttaa actaccagat aacaaggaat gtgctgactg caaagctaaa 180
ggtccaaagat gggcttagtgtt caatcttggc atctttatat gcatgcagtgttctgg 236

<210> 47033
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<212> DNA
<213> Glycine max

<223> Clone ID: 701038762H1

<400> 47033

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aaatcgagga aaaagaggta gcaatttgcg agttgcaatg agtaacgaaa aggctccttc 180
atcagcttct tcgagtagct acgagttgag caaaggcatc aatggcctcg acaaggtt 238

<210> 47034

<211> 243

<212> DNA

<213> Glycine max

<223> Clone ID: 701038763H1

<400> 47034

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caaacactcc cattccccact gcactgcgag agcttctaaa gcctctaccc tgcaggtgtt	180
gaaatcgatg aactccctaa gcaaattgat gatacacagt acccaaaaac attcttctat	240
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<210> 47035

<211> 258

<212> DNA

<213> Glycine max

<223> Clone ID: 701038764H1

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agtatctatt gcatttcctc ttggcttagc tcttcttgtt gccttgttat tgttctttg	120
ttgcttcttt tggcgctgct tgcactggga aaaactccaa cctttgttcc cattttgtat	180
ggttatcgtc gataactcagc ctctgacaca agcagacttc actccccctc ctcacaagcc	240
aggctttcct gtcttgat	258

<210> 47036
<211> 240
<212> DNA
<213> Glycine max

<223> Clone ID: 701038766H1

<400> 47036

gccattgcat tcactcaagt gagaaaaaaaa aagtaacaaa aataaacacc aaaaacagat 60
cagaacagag caacaaccat ggtgattcac agactcgaat tgtgcataac catggttcga 120
ctagccatag agttcgctgt gagcgtcgcg gaaacagtgg tcatagttca acagagaaac 180
aatgaggcctc ttggaacgtt gaatcgcgca agtacacacctc ttcctttcta tggctacctc 240

<210> 47037
<211> 237
<212> DNA
<213> Glycine max

<223> Clone ID: 701038767H1

<400> 47037

cttcaattgt gactcctcaa cccacttgat tcaccccaaa ccaataattt tagccaccag 60
tgtgttagata acttaagcca aaacaaccaa ccaattcttt tggataccac cttccatata 120
ttgataactgc aaaatatagt taaatttcat tccgaaacaa tgatcaacaa agtagcagtt 180
ctattagttg ttttgctttt catcatgct gctttggctt ctgatcctga tccagta 237

<210> 47038
<211> 237
<212> DNA
<213> Glycine max

<223> Clone ID: 701038768H1

<400> 47038

acaaaattca ccaattccca gttccgtgga ctgcagcacc ctttagatttc gttaccaaag 60
acaaggagaa gcacccgaaag cgtaataaaa tggatatgta cattcgtgtt aaacgtagta 120
agacaaccta cttcattcgg tgcaagccat ctgataaaat tcttgacata aagcagaagt 180
tgcaagaact tattgatcag ccagctatta atcaacggtt aattttacct gatacag 237

<210> 47039
<211> 234
<212> DNA
<213> Glycine max

<223> Clone ID: 701038769H1

<400> 47039

ctgtgttagt gttgtgtttg ttgtgtgttg agaagcagag atgcaaggaa gcgcggccga 60
cggagaagcc ttggatttcg agcctgagga cgatgacttg atggacgagg acggcgcccc 120
cgacgcccac gccgacgctt ctccacacctca acctaagctc aaatccgcca tcaccccccgc 180
cgccacttcc tctctctccg ccccgaaagaa gaccaagggc cgccgattcc gcca 234

<210> 47040
<211> 234
<212> DNA
<213> Glycine max

<223> Clone ID: 701038770H1

<400> 47040

ggaaaacttc accccgggga actggggaaag tatattttct tctttttgg tggttctagt 60
tgttggagga agatattgtta atcatgaatg ttgaagaaga ggttcagcgt ctcagccaag 120
aaatcaagag gcttggtaag gtccaagcag atggttctta caaggtAACAC tttggAACAC 180
tatTTAACGA tgatgagtgt gcaaataatat ttgaagcact tggtaaca ctaa 234

<210> 47041
<211> 237
<212> DNA
<213> Glycine max

<223> Clone ID: 701038737H1

<400> 47041

atTTCAACCA gtatTTGTT acatTTAAAT tggcatcttc ccccattac attgacctga 60
gatTTTCAAA ctTGGTATC atctAGCAAAG ggaatAGATT aaATAATTGA agttccatAT 120
aaACTTAGGT tactGGTGTtT gtttGTTAA gtGCTTCAA gaACACACGA ctggataCTT 180
gattCTCATG acataAAATTt CCTAGCTGA aggAAAGAAA taatTTCTG agTTTAT 237

0022600
ETTETEED

<210> 47042
<211> 242
<212> DNA
<213> Glycine max

<223> Clone ID: 701038690H1

<400> 47042

tctagatcgc gagcagccga ccttttttg tactgtactt gtccaatgtg atgactaaggc 60
caaggttagat ctgttctatt atagtattat ctgtcacata tatgatatat gctagactta 120
cgtacaattt agttttatgg tggccggg tggaaag gaaaaaaaaa caagtcaaaa 180
ggtgttctgc tgcaacttcaa tccagtgctg tatctgtgtg tgctgctttt ctttctctt 240
tc 242

<210> 47043
<211> 239
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<223> Clone ID: 701038691H1

<400> 47043

gcaacacaca cttcaattta tcagcatggc ctccgttcag tgccacaaaa cctgcaaagt 60
gagctgccaa cagaaaaacc agcacgcctc gttgggcag aaagtttctg acttgttcaa 120
aggcatcaa cataatgacc acagctccaa ttatgccacc caaaccaaag tgcttccca 180
gtcagggtca gggtaggcc cttcaccac canaactcaa acacaatgcg gttggcccc 239

<210> 47044
<211> 242
<212> DNA
<213> Glycine max

<223> Clone ID: 701038693H1

<400> 47044

ctttgcatt gatcggtatc ttttggaaatggaaacag tgtggcagga tcaaagactg 60
ttcttgctgt tggacctgga ccaaatctt ctgtggattc ggtgactggg agattgcccc 120

tgcttgaca gcattcaaga agcatgtgct aatatggta aatcacctga gcttggcc 180
acttggtctg tttctaaacg cattatctag cattcggtgg ctgattcggt agttata 240
ac 242

<210> 47045
<211> 244
<212> DNA
<213> Glycine max

<223> Clone ID: 701038694H1

<400> 47045

ctcagatcta tataattcag ttcttcttat tctccactaa tagtttttc ttggctact 60
tgagacccgg ctgcaaagggt tctctcttag cttagtaaca atgggttga aagcacttt 120
tgtttggtgc attatatggt taggttttagc acatttgc cttggaggaa gagtgaggca 180
ctacaagttt gatgtggagt acatgatcag aaagccagat tgcttggAAC acgttgtat 240
ggga 244

<210> 47046
<211> 242
<212> DNA
<213> Glycine max

<223> Clone ID: 701038695H1

<400> 47046

agcaaattaa tcaaACATGG ctagggtag tgctttgttt cactcttgc tcTTGATTTC 60
ttcccttgta ttggcttctc aaAGCCATGT ttccTCTGGG aaACTAGTCC ctggactatc 120
atggAAATTAC tattttgtGA catgtccaa gcttgagagg attataagga agcatcttga 180
ggatgtcttc gagaaggaca gtggagtagc tcctggcata cttcgactct tcttccatga 240
ct 242

<210> 47047
<211> 198
<212> DNA
<213> Glycine max

<223> Clone ID: 701038701H1

<400> 47047

gcgcagtcgt ttgattgtga agtgagttcc gattgagcac gtctggagg caacgacgtc 60
tacggcagct cctcggttggt ggttaagtgc cttgtccttt cagtcctcg atgagtccgc 120
caaccctaa aaagcacttc ttagttctcc ctctcccact aataaacata gtcatgctag 180
atattaat ta acatcagc 198

<210> 47048

<211> 247

<212> DNA

<213> Glycine max

<223> Clone ID: 701038702H1

<400> 47048

agcataaccca aaaaagaaaa agaaaaaaag aatgggtgtt gcatacgag ctgcgagaat 60
ctatctgctc ctgttgcgc tagtggtctt gagcgttcaa tgattcaatt tcaggaacag 120
aaaagccctt gacgctagcc atcgtcgctt ttattgatag aaaaagaat acaacatata 180
ttatTTTTC ccactacctt tttccttcac cacccttttgc cttctccctg aattacccgg 240
attgggt 247

<210> 47049

<211> 243

<212> DNA

<213> Glycine max

<223> Clone ID: 701038705H1

<400> 47049

caactttcct aacttttagca accatctaag aagttcagtc ccttaatttat ctctcacctt 60
gaatttagaaa agcattcaaa gcttgaacc caatttcact gtttgcacct caaacatctt 120
agaagtccca attgagtctc aattccacaa ccaaaaatgc acagttcaat ttcacaatct 180
gatattttta tcactgatta cttgtaccc caagaagtcc catttcaatt tcaatttcaa 240
gat 243

<210> 47050

<211> 240

<212> DNA

<213> Glycine max
<223> Clone ID: 701038707H1
<400> 47050

cttaaataag caaggtgcat ttttagtgaa aattttcac ctttattgga tcagcttga 60
ggtaaataa aaagatgatg agagggtagt tagaaactcg taaatcagct agactctaag 120
cgttgtttt cttgactaaa catcttactg tcaattttat ttttttgga ttttgattt 180
agaaaattaa ttgatgtcaa gtgcatttga agacagtttta taattattga tttaattaaa 240

<210> 47051
<211> 243
<212> DNA
<213> Glycine max

<223> Clone ID: 701038708H1
<400> 47051

gaaaattgaa caattctgag gctatcacaa aaaataaaaca ctgagaaaagg agagaaggct 60
gtgcttgagg catabccttg atggaaata acaggtttag actgtcagat atgatgccaa 120
atgcattgtt ttataagctc aaagatatga gcaaatacag gaagagaaat gttcctcatg 180
ttatgaagaa caaagttagcc tcaccaacaa catcacaaag gtcacagcca agatactctc 240
att 243

<210> 47052
<211> 243
<212> DNA
<213> Glycine max

<223> Clone ID: 701038709H1
<400> 47052

ataacaccca ccaaagaacc atggctaccc agttcctcaa atccctcctt ctccctccca 60
ccttaaccct aaccatctca gcagaataca caggcttgc gggcacaata gacccaaagt 120
ccataggcat aaagcacaag aaaaccctaa gccacttcag attctactgg cacgaagtct 180
tcagcggaga aaaccccaca tcggtttagaa tcattccgc actccccaaa tacaacacaa 240
cca 243

SEQUENCE

<210> 47053
<211> 238
<212> DNA
<213> Glycine max

<223> Clone ID: 701038711H1

<400> 47053

ctttttctta cgttatcatt gaaaattaag ttacaaactt ccgtccaaatg tttctgtgta 60
agcccgagtga cacagtttg tttagacaat cagaagacat ttttggcgcg taatatatct 120
gggtttgtt cagaacccaa aatcagattt gcttgcttaa aaaaaaaaaa aaaaaaaacaa 180
aaaaaaagggg ggcccccgca tagtgacctc ggtcaccggg aatttatttc gggaccgg 238

<210> 47054
<211> 232
<212> DNA
<213> Glycine max

<223> Clone ID: 701038712H1

<400> 47054

gttcgggtgg gacaaggatc ttgccaaagaa aatctggtgc tttggccctg agacccttgg 60
tcccaacatg gtgggtgatt tcattcaa at actggactcc cttgcacata tcaaccacca 120
tgttgggtcc aagggagtcc agtattt gaaatcaag gattctgtgg ttgctggatt 180
ccagtggca tcaaaagaag gtgcttggc tgaagaaaac atgagagcca tc 232

<210> 47055
<211> 241
<212> DNA
<213> Glycine max

<223> Clone ID: 701038713H1

<400> 47055

tccatggttg ggcttgaaa gtcactaaga agatgaccat atcttaaac cccatcgta 60
gcttcagctc aacgaagttg gaaacaaagt atcaggatgc atcaagatat tctgttggag 120
cttcttacc aaaggcaacc cagtttacac cttgtttagt agtgtctaga tcgagaaagc 180
ttgtcaagga aagaagattt ggtccttggt tttcagtggc agatagtgtat cagcttgcag 240

<210> 47056
<211> 242
<212> DNA
<213> Glycine max

<223> Clone ID: 701038715H1

<400> 47056

cctcgagcga atcggctcg ggctcgagtgcgttcatc tgaacgaaaa ttgcactctg 60
aaaaattcaa gaatcagttg gtcaatcaga gtacttatgc taagcttggatgcacacaag 120
gatggtttt tgctcctctg ttccatcctc cttccagcaa catagcacat cttgcaaaag 180
taaaagtcat gaaaacgcat ggtggttggg aagacttgca aattccttcc agcatcagg 240
ca 242

<210> 47057
<211> 243
<212> DNA
<213> Glycine max

<223> Clone ID: 701038719H1

<400> 47057

actcactaac atcacaactt ctctctttctt acacaaataa ctcctcaaca gtgtgagcag 60
ttgataagag agatgatgat caacgtgaag gaatcgacca tggtgccggcc ggcggaggag 120
gtggcggcggc ggggtgggtgtg gaactccaac gtggacctgg tggccccaa tttccacac 180
cccagcgtct ctttctatag gtccaatggc gccagcaact ttttcgacgg caaggttatg 240
aag 243

<210> 47058
<211> 242
<212> DNA
<213> Glycine max

<223> Clone ID: 701038720H1

<400> 47058

tgcttagaaa agctatgttt aaggggaaac aattttgaaa cactacccag cctcaaggag 60

ctttccaaac ttttacattt aaacttacaa cactgcaaga gattgaaata tttgcctgag 120
ctcccttcac gaactgatgt cccatcacca tcaagtaaca agctgcggtg gacaagtgtt 180
gaaaatgagg aaatagtatt gggattaaat atttcaact gcccagaatt agttgagagg 240
ga 242

<210> 47059
<211> 239
<212> DNA
<213> Glycine max

<223> Clone ID: 701038721H1
<400> 47059

cggAACCGCA CGCGAGGGTC TCGGTGAAAC CGGCCTCGGA GGTTCCAAG GTCGCACTCG 60
accggggact cgctggtcca accgggagaa aacactgacc ggttcacttt gaggttgccc 120
ttggaggtga ggaagcaatt aataaaccgc caattgcaac gtgcgagtag ctgtatcg 180
ttacccaggg aagtagttt gcggcagggt taccgaaccg gaggagaagg gagtagtag 239

<210> 47060
<211> 239
<212> DNA
<213> Glycine max

<223> Clone ID: 701038723H1
<400> 47060

ctcaaagtct gggcttcaa tgacctgtgc tggttgccag ggtactggca tgaaggtgtc 60
tattaggcac ctggtcctt ctatgattca gcaaattgcag catccttgca atgagtgtaa 120
gggtactgga gagacaatca atgacagaga caggtgccaa cagtcaagg gagagaagg 180
tgttcaggag aagaaaagtac ttgaagttgt tgtggagaag ggaatgcaga atggacaga 239

<210> 47061
<211> 239
<212> DNA
<213> Glycine max

<223> Clone ID: 701038724H1
<400> 47061

gaaacatttc actaatagcg agacataaggc ataatattga gaaataatgg agggttgtac 60
ttatcgtaaaa aagttgctat gccttggtagg gttgtggag cttgtgagta ctattgcagg 120
ggtggagagt gctggtaat gtggaaatc taccatccca gataatgagg cttataagct 180
tgcaccatgt gcctcagcag cagaagatga gaatgctagt gattctcaga gttgctgtg 239

<210> 47062
<211> 236
<212> DNA
<213> Glycine max

<223> Clone ID: 701038725H1
<400> 47062

ggtatacggt gatattggta catcaccact ttatgtgtat gcaaggcacct tcactaaaaa 60
aattaacaac aatgatgaca ttcttggcgt cttgtctctc atcatctata ccattgtgct 120
catacctttt ctacatatg tcttcatcgt attgtgggcc aacgacaacg gcaacggtgg 180
agcgtttgca ctctattcgc taatctgttag gcatataaag atgagtttga ttccaa 236

<210> 47063
<211> 238
<212> DNA
<213> Glycine max

<223> Clone ID: 701038726H1
<400> 47063

gagagaccta gttgaaaca tcaaaggaaa tgaaactccg accccaatta caccaaatca 60
tgttatgata gaggtgctaa aatcttcag gcagacaagt atcgaaagg tgcattgtgag 120
aattgtggag ctatgacaca tgattctaag tcatgcattgg aaagacctcg gagagtggaa 180
gcaaaatgga caaacaaaca cattgctcct gatgaaaaga tagaaacttt tgagctt 238

<210> 47064
<211> 239
<212> DNA
<213> Glycine max

<223> Clone ID: 701038728H1
<400> 47064

SEQUENCE

ctaacgcgtg catagcagag tcagagacag agacgcagcc atcgggcggg gacctgcgag 60
gtgttatagg caaattaaga acaagccata ccccaagtca cgtttctgcc gtggtgttcc 120
tgatcccaag atcaggattt atgatgttgg tatgaagaag aagggtgttgg atgagttcc 180
tttctgtgtc catctggta gttggagaa ggaaaatgtt tcaagtgagg ccctggaag 239

<210> 47065
<211> 240
<212> DNA
<213> Glycine max

<223> Clone ID: 701038729H1

<400> 47065

ctgaaaactta cattcttca accaacagtc cttaaaaatt aacagaatca tataattgat 60
atcgacttag tataaagaat attattatgt gaggcaatc accaatcagc tactgaagaa 120
tttccctggc tgctatacta ttatgcttga aaacaatgaa gttttgcatt gaagcaaatt 180
ctattgtatc caagaaccct ctaatgctat gtgagcatag caaataacct tataattccc 240

<210> 47066
<211> 195
<212> DNA
<213> Glycine max

<223> Clone ID: 701038733H1

<400> 47066

caagattcta agagagattt tactgctctt tgaagaaggg tggttgcttg attttcgtga 60
tgtcgctgct ctcagatctc atgaacctta acctctcaga cactactgag aaggtgatcg 120
cagagtacat atggatcggt ggatcagggaa tggacctgag gagcaaagca ggactcttcc 180
aggaccaagt agcga 195

<210> 47067
<211> 237
<212> DNA
<213> Glycine max

<223> Clone ID: 701038736H1

<400> 47067

gtgaggagtt agtgtccaca atttctgat catcatatca aaccctctc atttgattt 60
ttttcttaat ttaccaaaaa aatggttcta tgagtctcac gagtacgcat gcgtatggatc 120
cagaagggtgg aacaactcgt caaaactctg ctaagagaga gtcgtggaga acggttctga 180
ctctggcgta ccagagttt ggagcggtgt acggcgattt gaggcattcg ccgttgt 237

<210> 47068
<211> 242
<212> DNA
<213> Glycine max

<223> Clone ID: 701038686H1

<400> 47068

cagaatccgc ggcaatgcag gtttgtgaag aggaaccgaa gatgttgaa cctaaacctg 60
aacctgttat cagcgaagag gaaccgaagt gttggatgtat gttatcaatg aagaggaagc 120
tgggtggcc gagacgttga agggagagga gcctatcgtg gctgagacat tgaaggaaga 180
gggtgtggat gagatggcag aacaaccct ttgtaaagag gaatcggaga aggggtttc 240
gg 242

<210> 47069
<211> 248
<212> DNA
<213> Glycine max

<223> Clone ID: 701038643H1

<400> 47069

caaagaatat gaatcagggc caatcatact tcatttggat tctttgggtc ttcactctag 60
taaatcagtt ttgataata ttaaaagcta ttgattgaa gaaaagaact atatggatcg 120
agaagatgtg tcttagatg tttcaattgc ggatagaata tggaaagtgcc ttcctcgtag 180
aattgaatct caaatcatcc aggttccccca acagaagaat gaatatgact gtggtcttt 240
tgtattgt 248

<210> 47070
<211> 249
<212> DNA
<213> Glycine max

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<223> Clone ID: 701038646H1
<400> 47070
gtcatctcat cccagggttc atcttgctt tctgttagatc tttctgggtc tgatgtcact 60
gattttgggc tgacataacct taaagattgt gaaagtctca ttcccttaaa tctaaattac 120
tgtgacgaaa ttccagatcg tggactagag tgtatcagtg gtctgtcaaa cttgacaagt 180
tttagttca gaagaaatga ttcaatttct gctcaaggaa tgagtgcctt ttctggtctt 240
gttaacttg 249

<210> 47071
<211> 253
<212> DNA
<213> Glycine max

<223> Clone ID: 701038648H1
<400> 47071
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gaagtcctct attcagaacc agatatggag acaaaaccca ccgagatcag cagcggcaag 120
atgttcggag gctacaacaa gaggttcaga catttcagcc ctaccctcgg ctgctccatg 180
aacttccaca tctacttcac tccatctcct tctccctctc acaaattccc agtcttgac 240
tttctctctg gcc 253

<210> 47072
<211> 253
<212> DNA
<213> Glycine max

<223> Clone ID: 701038649H1
<400> 47072
gccgaagcga agagtgtttg tagggtttgc gttgcgcattc gtttgagaga gagagatggg 60
aagagaaaaa gagacaacaa aggtagctt cgcagtggag cagctttagt cttcaatcg 120
atacaatccc gatatttttc cagatctcgaa aactatgtc aacgaccagg ttctcgatcg 180
aacttatagc ctggacgcga atctctgcct tcttcgcctc taccagtttgc aatctgagaa 240
aatgagttcc cag 253

DRAFT GENOME

<210> 47073
<211> 251
<212> DNA
<213> Glycine max

<223> Clone ID: 701038650H1

<400> 47073

gtttctgcga ggcttaagaa acctcgaga accaaagaaa actcactctc acacactttg 60
gttcacaaaa acctttcaact tctatttca atctttctag ttcccttctcc catattatag 120
taccctttta tcccaagtta cttaaattta aaaccttat tactgctcat acttgttttt 180
cgctttgtta agtttaaga aaaatggagg cacattctcc agttatagcc aagaagctat 240
ggaatgtgtt g 251

<210> 47074
<211> 248
<212> DNA
<213> Glycine max

<223> Clone ID: 701038651H1

<400> 47074

cgagaagcac cagcgcgtgt ggctggAAC gttcaacgag gaagacgagg cggcgcgtgc 60
gtacgacgtc gccgtgcagc gattccgcgg caatgacgcc gtcacaaaact tcaagccgct 120
ctccggcacc gacgacgacg acggggaaatc ggagtttctc aactcgatt cggaaatccga 180
gatcgacgtc acatgtcgta acatacgatc aatgacgagg tggaacaaag caagcgcacc 240
gcggcttc 248

<210> 47075
<211> 193
<212> DNA
<213> Glycine max

<223> Clone ID: 701038652H1

<400> 47075

tgaaaatctt ccaccaaATG taattaaaca acttgccaag gagttaaaaa gtcttgatga 60
atccccctcct gagggcatta aggttgggt aaatgatgat gatTTTCGA caatatttc 120

tgacattgaa ggcccaggta agtagcttc atgtggtatg ttgcatgatt gagaactccc 180
attggtagg gcc 193

<210> 47076
<211> 249
<212> DNA
<213> Glycine max

<223> Clone ID: 701038654H1

<400> 47076

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tctgccttac tcactctcta ctttgctcat catcgtagat gaaccaacac ttctagtctc 120
tcttacttta taaccatgta aaaatgagtc acctaattgaa aaatttagtag cttcttgttg 180
tgcttttat tttgtttgtg ttgagataaa tttgtttgtt tgtttggat tgtttgtgt 240
tttatgaat 249

<210> 47077
<211> 248
<212> DNA
<213> Glycine max

<223> Clone ID: 701038655H1

<400> 47077

gaaacattat ctgctgttaa gtctcagcaa ataaaggata ataaccctca cttggcatt 60
gattgtaatg atgttggcac taatgacatg cgtgagcaa atgtcttga aactttgatc 120
ggaaaggcgc aacagctcct actcgctact caagttgtca agatgatact gaaaattgat 180
gatgtcatct ccccatctga gtactgatat ttttaaactc agtcatggtc tacgtcaaga 240
tgctgaat 248

<210> 47078
<211> 235
<212> DNA
<213> Glycine max

<223> Clone ID: 701038659H1

<400> 47078

cgatttcatc acacttata tag ttctctttc tctttttt ccttttttcc tccggcaag 60
atggcgccgc ccacgccc agttgacggc gcccaggcgc cgcaaggcg gcagcaacag 120
ccgcaaggag ggtttggcct caccggaa atacgcatgg tcgtttctg gtacttcgct 180
tccaaattct tttccccaa aaaacctacc gaaccttccg ctctcatctc caatc 235

<210> 47079
<211> 254
<212> DNA
<213> Glycine max

<223> Clone ID: 701038664H1

<400> 47079

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atttcaccaa ttcaaaaaccc ttcatcatttgc atctttcac tcttttcttcc ttgctcgca 120
acattcatttca acaatttggg tgctccttct gtttcttctc ctcaccatttgc gattggataaa 180
tctgcaattt cttcaatttga caaaagcaac gggagttggg ttccaacggaa attatggttt 240
tcctcatttgc gatgc 254

<210> 47080
<211> 270
<212> DNA
<213> Glycine max

<223> Clone ID: 701038665H1

<400> 47080

ctcggAACGc ggctcgagct tgaggaaact ttgtgatcca taaataagtc tcagaacacg 60
aaattctcat cacaaaatttca tcataccaca atacaaaaga gattgaagct agcagactca 120
tcaaataggcg gaaatggcag catccttcgc acgagacaaa ttgcttcac tgctaagcaa 180
tgaagcaaac ctgcttccg gcatccccaa agaatttgca gacataagac aagtactcag 240
atgtcatgca agccttactc taggatgcag 270

<210> 47081
<211> 250
<212> DNA
<213> Glycine max

DRAFT

<223> Clone ID: 701038667H1

<400> 47081

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atccccacccg caaaacccca atcggtgac acttccacca cccgaaagga cgacgacagc 120
gacggaacca aacagtacat caccgaattc gacccttcca aacccgc当地 ccccaaatac 180
acaatcccc caatccaaaa ccagtggAAC ccccaacaag acaacgaaca cagcaccacg 240
cggtggcgcc 250

<210> 47082

<211> 219

<212> DNA

<213> Glycine max

<223> Clone ID: 701038668H1

<400> 47082

ttttgtttt gaagttgtta ctaaataaaaa ttaaatagtg tattaatttt aagtaagtgt 60
taaaaaactt atccttcctt ttactttt ttaaaaaaaaaa ttgaattttt ctaaggaata 120
tactgtgcat atcctttggg tattctagta aagtgtatgaa agccttcatg gttcaaaaaa 180
aagagtaaaaa aaaaaaaaaa aagggggggc ccccaataa 219

<210> 47083

<211> 247

<212> DNA

<213> Glycine max

<223> Clone ID: 701038669H1

<400> 47083

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cgatattctc cggttaccct ccgaagcttc caggttcttc aaagcacctg ctaatgccga 120
tcaaaacgat gagggcacca ggtggccgt tttagttgcc ggttccaatg gctactggaa 180
ttacaggcac cagtctgatg tttgccatgc atatcaacta ctgagggaaag gtgggtgaa 240
agaggaa 247

<210> 47084

002260 * 002260 * 002260 * 002260

<211> 249
<212> DNA
<213> Glycine max

<223> Clone ID: 701038670H1

<400> 47084

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atcatcaaaa atgggtttgt cttggtcaag aaggaacgtt ttccgcgtg ccaagaagga 120
gaagtcacaa actcaattgg aagtggaggt tttgattccc aaccacttgc actgcccgtt 180
gagtctggag ctgatgacag acccagtgac tttatcaacc ggcatcacct acgaccgtgt 240
gagcattga 249

<210> 47085
<211> 247
<212> DNA
<213> Glycine max

<223> Clone ID: 701038672H1

<400> 47085

actgacatca ggggttggaaat cccagcatct tgtcatgtat tcagccaaca atttgctgaa 60
attgtggaa tgcttgagag tgcagagaat gagatcatga caaaaggta gaaggctcg 120
ttcagggttt gcatgaccca tccaatgact gctgactgtat ctgatcctct gcgaaagcaa 180
atggaaaaaaa gtcataaaaaa catagactgg aaaatttggg ggcaagatga aactctggta 240
gtgaagg 247

<210> 47086
<211> 243
<212> DNA
<213> Glycine max

<223> Clone ID: 701038674H1

<400> 47086

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tatgtgccaa tcactattgt tcagaacgcg gtagcaaaag gagctgtttg ttggatgg 180

agtccaccag cttatcattt tgatagggga tttggatcag ggattaacaa ttggttggtt 240

gca 243

<210> 47087

<211> 241

<212> DNA

<213> Glycine max

<223> Clone ID: 701038676H1

<400> 47087

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ccaaccacctt ccattgccac caattgcttc ttcttggtta ttttgctccc ataccattag 120

caacactgtg ttagatactc agatcccccc tctttctct atgccattcc cccagctggg 180

aagggtgtac tggaatcaga gtgtagctgt ggggtgcaga ttgattacta ttcttggtt 240

g 241

<210> 47088

<211> 244

<212> DNA

<213> Glycine max

<223> Clone ID: 701038677H1

<400> 47088

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cttcagctct gagcattcga gcaactcggt tgattattct gaccttggat ggggtgaaca 120

agtccccaag acccccgaga tctcatcctt gctttctgct gctccttgg agggtgctgc 180

tgatcagggtt cagaagacca acaactcgca ggatgtggtg gctgcacaag atgattctgc 240

aaaa 244

<210> 47089

<211> 248

<212> DNA

<213> Glycine max

<223> Clone ID: 701038680H1

<400> 47089

gtctctacaa tcactccttc ctctcatcct ctataaagaa agtgcttaat ttgtgttgg 60
acttggttca gtttccatgg attggggct tgctatatct tctcatccta aaccttattc 120
agtacaact ggtggaaatc tctggcgag taaaacacacc accaagaata tttactttgc 180
aagttcttgg atatcaaaag cttcacgaca caaaaggaa actcaaatacg aacataatgt 240
tttgaggt 248

<210> 47090
<211> 243
<212> DNA
<213> Glycine max

<223> Clone ID: 701038683H1

<400> 47090

gtgtggctga agtgttctcc aggattgatc ataagttga cctcatgtat gcgaagaggg 60
ccttcgtgca ctgttatgtg ggtgaaggta tggaaagaggg tgagttctca gaggctcgtg 120
aggaccttgc tgctctttag aaggattatg aggaggttgg tgccgagtct ggtgatggag 180
atgatgatgg tgaaggagat gatgattatt agagtgtctg aaatatcgtg tgtttgatgt 240
cta 243

<210> 47091
<211> 187
<212> DNA
<213> Glycine max

<223> Clone ID: 701038684H1

<400> 47091

cttcccccaa caaactaaac caaaccaaac cataccatta agaaacaaca catctatctc 60
agtccccaaa ccaagaaacc ctaaattaaa ttcatgtgct cctccgggtc taccagtgt 120
gcaccaacaa gaccttgtta cttggAACAA ggccacggct tggcttcctt aaaacacatg 180
gatgcgt 187

<210> 47092
<211> 182
<212> DNA
<213> Glycine max

05311200
<223> Clone ID: 701038685H1

<400> 47092

tggaatctac agtgttctta accagaagcg tggacacgtg ttcgaggaaa tgcagaggcc 60
aggtaaaaaa ctataacaaca tcaaggcata cctccctgtc atcgagtccct ttggtttctc 120
gagcacattg aaggctgcaa catcaggcca gcgccttccca caatgtgtgt ttgatcactg 180
gg 182

<210> 47093

<211> 256

<212> DNA

<213> Glycine max

<223> Clone ID: 701038642H1

<400> 47093

gacgttacca accttgggag ataggagaga tgcatacggt attcattttg aatgggatgc 60
taactttgga attccaggag caatttacat cagaaactat acgtatgtat agttcttcct 120
tgtcagtgtc actcttgagg acattccaaa tcaaggaacc attcactttg tttgtaactc 180
atgggtttac aactttaaag actacgacaa aaaggatcgc attttcttg ccaataagac 240
atatcttcca agtgca 256

<210> 47094

<211> 246

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<223> Clone ID: 701038611H1

<400> 47094

cggaaacacc cttcaaaccga cgtacggcgt ccggtaagt tgctgtcag gaagtggaaag 60
gaaattttg atgaatgggt gaagttaat cctcaggaa gaagcaacac tctgatggct 120
catggagact cgccgcctgt gcagaaaacc accaaaaatg ggcattatca tcagcagatt 180
cctgattttg catactctcc caatccacac aacggtagct cccggncnga gcgttaacaac 240
tcagaa 246

S E C U R I T Y D O C U M E N T

<210> 47095
<211> 221
<212> DNA
<213> Glycine max

<223> Clone ID: 701038612H1

<400> 47095

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gttcgggaaa tcctaactca tcatctcaac tcaagtcatg gctggacttg cacctgaggg 120
atcacagttc gatgctcgac aatatgattc taaaatgagt gacttacttt catctgatgg 180
acaggacttc ttcacatctt atgaggaggt ttatgatagt t 221

<210> 47096
<211> 251
<212> DNA
<213> Glycine max

<223> Clone ID: 701038613H1

<400> 47096

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tggcggcaga tgaagatatg tctttgaagt ctaatctgag tcaatcaaat gaaacttgg 120
agcaggagat ggaaagaagt caatctcaag tggatgtatt gcaggcaagg ataatggagg 180
taagggcaca aatacaaggc tcaaaggaag atgcaaaaaa ggagtttagag gttctatgga 240
gaagagtcaa g 251

<210> 47097
<211> 253
<212> DNA
<213> Glycine max

<223> Clone ID: 701038614H1

<400> 47097

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cgatctcaga ttccggtcac tcctctcgcc ggcgatccct tattcctccg tcctccgtcg 120
agtccttcc gattcgaatc gttcccagcc ttgtgccacc atgaatcccg aatacgatta 180
tttgttcaag ctttgctga ttggagattc tgggttaggc aagtcatgtc ttctcctgag 240

gtttgctgat gat

253

<210> 47098
<211> 232
<212> DNA
<213> Glycine max

<223> Clone ID: 701038615H1

<400> 47098

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ttcatttcca ccgttcatgg atccactaag cgtgtgggg aacacgcct tggcgacgg 120
ggatcccgag atccatgacc tcatcgagaa ggagaagcgc cgtcaatgcc gcggaatcga 180
gctcatcgcc tccgagaact tcacccctt cgccgtcatc gaggccctcg ga 232

<210> 47099
<211> 252
<212> DNA
<213> Glycine max

<223> Clone ID: 701038616H1

<400> 47099

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gagaaaattc gcgcagttac tgctgatcca aacagggtgg tgttctcatt tgagttcttc 120
ccccccaaga ctgaggatgg tgtggacaat ctgtttgaga ggtggaccg catggggct 180
cacaactcct ctattpgcga catcaactgg ggcgctggag ggacaacggc tgatcttaca 240
tcggaaattt cc 252

<210> 47100
<211> 253
<212> DNA
<213> Glycine max

<223> Clone ID: 701038617H1

<400> 47100

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gtgcactact gggttgaaaa tgtatatgct ggagagcaaa ggaggtgcca tagcatgcat 120

gttcttgccct cttttcttct tggggacatg gcctgctctt ttgactatgt tagagaggcg 180
tggtcgtctt cctcagcata cctacacctga ttactcaatc accaatttct tggctgcttt 240
actcattgct ttt 253

<210> 47101
<211> 253
<212> DNA
<213> Glycine max

<223> Clone ID: 701038618H1
<400> 47101

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aatatggcag ccgatacggaa acctaagaag atcataattt ataccgaccc tggcattgat 120
gatgctatgg caatattcct tgctctacaa tcacccgaag ttgaagttat tggactcaca 180
accatcttg gaaatgtgta caccactctg gcaaccagaa atgccttgca tttgttggag 240
gttgctggaa gaa 253

<210> 47102
<211> 250
<212> DNA
<213> Glycine max

<223> Clone ID: 701038619H1
<400> 47102

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gtcggttgcgtg ctctttacac tgctccctt cggaaaccta gctctcatcc aggcgaaagaa 120
atcgaaggag gatttgaagg aggtgaccca caaggttac tttgatgttg agattaatgg 180
aaaagaagca ggtcgatttgc taatgggtct ttatggaaag gctgtccaaa aactgcagaa 240
aacttccggc 250

<210> 47103
<211> 253
<212> DNA
<213> Glycine max

<223> Clone ID: 701038620H1

00226600
00226600

<400> 47103

tgttgcgtg cagaataact tcagacatgg tccttggtac cacgaagctg atatgaggac 60
aggaagagca acttattggc agcttacaag cttcaagca ttttggcctg gcctacaggt 120
tcttattggg gatgttatcg ctgccaattc attcaccgg gagttttcc atgtgtggaa 180
gaactatgga gtgctaccag agaggtattt gctggattat cagatgcttc accctactga 240
gaaatattac cct 253

<210> 47104

<211> 253

<212> DNA

<213> Glycine max

<223> Clone ID: 701038622H1

<400> 47104

actcgagcga atcggctcga gtttcatgg tggatgatcca acggcgataa ctgaagacac 60
cacacatgtt cctccacgga agcgacagaa tcttcttcta gaaataccct caagaacaga 120
agagagttct caagaatttgc ttgcaatcaa aatgccaccg acacccagtt ccaatcccac 180
tcctactcca aagagagtga attttcttgt atcggacacc ggcagatatt gaaaaaccaa 240
atactgcagc tcc 253

<210> 47105

<211> 252

<212> DNA

<213> Glycine max

<223> Clone ID: 701038623H1

<400> 47105

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acacaaggac cataacatac ctataaccta atatcacaag tctttagggag gcagagcgag 120
acaagtacaa gatgtcaac tttgaagaaa ccgagttacg actcggcctg ccactcagtg 180
gaaacgagac gctcaaaaac acttgcagca ctgggaagag ggttttcg gatactgccg 240
tggatttgaa gc 252

002560 47106
002560 47107
002560 47108

<210> 47106
<211> 248
<212> DNA
<213> Glycine max

<223> Clone ID: 701038625H1

<400> 47106

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cttctcttgc tgaaaaatcc ttcttcctt ccttggagaa gagtttgcc tttcaaggcag 120
caagaaaagga ggacacagaa agcaacaatc ttcataata tactcatctt gttcacctca 180
gctcactcct tccttcatct tcttgcagct ctctactaa aggtctaaaa acaaaaagcat 240
cattagaa 248

<210> 47107
<211> 250
<212> DNA
<213> Glycine max

<223> Clone ID: 701038626H1

<400> 47107

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tgccagatag gggcatgcag gttacaatcg cgaaaaatca cttcggttag ggtctggtag 120
agcgtatgcc acgatgcagg ctcggttaca tccacgtcgt taataatgac ttcacgcagt 180
ggaagatgta tgctatcgcc ggtacgctaa ccccaccatc aacagccagg gtaaccgtta 240
caccgctccc 250

<210> 47108
<211> 247
<212> DNA
<213> Glycine max

<223> Clone ID: 701038627H1

<400> 47108

gtgagtcaga gcaacccagc agctccacca ccacctgtgg gttatccac taaggatgt 60
gttccttccc aacaaaatgt tccaatcaaa acctctacta ggggtgatgg cttttggaaag 120
ggatggtag ttcatttata accaaaatct tactttgtct aattaattag ggtactgata 180

tttatagcaa gtacaataat taaggacaca agttaaagaa ttttaaaata gaaagtttg 240
tattgaa 247

<210> 47109
<211> 252
<212> DNA
<213> Glycine max

<223> Clone ID: 701038628H1

<400> 47109

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tacaatgaag aagaggaaga agaagaagaa gaagaagaag aagaagaaga agaattggac 120
agtatgatgatg atgatgagga tgcagacgaa gatgatgatg tttcgagcaa ccatgtttca 180
acgccgttca tgaatccagg gtcaaaaggg catggctgcc aatcgaacca gtttgcgata 240
ttggatattt tg 252

<210> 47110
<211> 250
<212> DNA
<213> Glycine max

<223> Clone ID: 701038629H1

<400> 47110

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ctcttcgtta catgcagcta tatggcacc taagacctat gtgtcttaag tgggctgttc 120
aacttaggtat tccagacata atacagaatc atgccaaacc catttctttt tctgacttgg 180
tctctactct tcaaattcca ccagctaacg ctgctttgt gcagcggttc atgcgcatct 240
tggcacacaa 250

<210> 47111
<211> 249
<212> DNA
<213> Glycine max

<223> Clone ID: 701038631H1

<400> 47111

ctcgagcgat tcggctcagg tggacgtt ttctttgttc ttcactgtgt atgcgaccat 60
ggtgatccc aagaaggag cacttgctgg gcttggcca acgctggttg gttttgttgt 120
tggggccaaac atccctcgca cttgggctta ctctgctgct tctatgaacc cagcaaggc 180
ttttggcct gccttggtcg ctggaaactg gaccgatcat tggtttact gggttggcc 240
tctcattgg 249

<210> 47112
<211> 232
<212> DNA
<213> Glycine max

<223> Clone ID: 701038633H1
<400> 47112

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caagcttctc tgcgttcat tgcattcca atctcgcttc ttctctcaga ttcatacc 120
aattcggttt ctccgaacc aaacttgttt ttgagaaatt cgccaattga tttccatgg 180
ccaacaatcc gtcacagctt ctccatcag agttgattga ccgggtata gg 232

<210> 47113
<211> 213
<212> DNA
<213> Glycine max

<223> Clone ID: 701038634H1
<400> 47113

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agttttaaac gaggatatct gcaggatctt gaaaaatctc tgaaggctca ttatataatta 120
ttaagttcgc tcaattctgg gatataattt tatgaccttg tgttaactca tacatcttt 180
ggggtttctc aggctttggc cgtgtaatag att 213

<210> 47114
<211> 252
<212> DNA
<213> Glycine max

<223> Clone ID: 701038635H1

002260 * DIFFERENCES

<400> 47114

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gaaccgggtc aagaataaaa cctcgctggg aaccgttgat tgggtttgta cgaataattt 120
gaaatgaaga ttcagtgc当地 cgctgc当地 gccc当地ggagg ccaaggttct gtgctgc当地 180
gacgaggcag cactgtgctg ggaatgc当地 gagaaggttc acgc当地gcaaa caagctcgcc 240
agcaaggcacc ag 252

<210> 47115

<211> 253

<212> DNA

<213> Glycine max

<223> Clone ID: 701038636H1

<400> 47115

gacactcaca agaacaagaa gaagcattta gaatcgaaat tggaagagaa gcataaggag 60
ggtatgaatg attacaaagg aagagaagga gaaagttagtg ttgttggcg gaagcgattc 120
aaggagaagc agcaacaaca acaacaacaa cccttc当地 ccacaaggc catcatcaac 180
caacaacacc gtcgctgtgc ctccctcccc aacaacactc aatacgagga atctgaaaca 240
gatgtcgaag tgt 253

<210> 47116

<211> 248

<212> DNA

<213> Glycine max

<223> Clone ID: 701038637H1

<400> 47116

cggctcgagc ggctcgagac ttgatcacct ttttgagaa aagatataata tcaatggcaa 60
ctccgagtgt gttagaagtc cgc当地ctcg当地 cttaacttc catctctgaa ccacttccat 120
ttttgatgg aaccacaagg ttatacattt gctatctgtg ccctttgca caacgc当地 180
ggataacttag gaactgtaag ggattgc当地 acaagatcaa tttgggtccattt attgatctta 240
aaaacagg 248

0
1
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<210> 47117
<211> 253
<212> DNA
<213> Glycine max

<223> Clone ID: 701038638H1

<400> 47117

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gaaatggctt ccaagggtgc acttcttgc tgc tctaaca ttctctt cactgtggta 120
agctccacat atgtcccattt caacccaccc cctaaaactc ctaaacacac acctgtccca 180
aagccaccc tt cccaaagca accaagttgc cccaaagaca ccattaagtt tggtgtgtgt 240
gctgatgtgt tag 253

<210> 47118
<211> 249
<212> DNA
<213> Glycine max

<223> Clone ID: 701038639H1

<400> 47118

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gaagccctga cctccgctctt ctcttcttc tctctctt gtccatcgct tccgccaatg 120
tcttcttcga agagcgttt gatgacgggt gggaaaatcg atgggtaaa tcagattgga 180
aaaaagatga gaacgtggct gggagtgga accacaccc tggtaatgg aatggagacg 240
ctaatgaca 249

<210> 47119
<211> 254
<212> DNA
<213> Glycine max

<223> Clone ID: 701038610H1

<400> 47119

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tcttctaaat ggaaaggctc caagttactc attcaatcag tcttctgaag gaaccaaaga 120
cggggaggaa aatgataaaat ggaaaggaaa ttccgatgat aaaccaaatg acttacctac 180

agttgataca gaggatagt ttccggagt ttttatgtat ttgctgcaga aagaggtctt 240
agccttggagg aaag 254

<210> 47120
<211> 278
<212> DNA
<213> Glycine max

<223> Clone ID: 701038575H1

<400> 47120

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ctgaaattaa ggagcaacaa ctagccacag aaacttctag cactatacac cacaaagggtt 120
ctgaattgtc tgaaaccaat cagcagaatg atcgaataacc atctgatgcc cgggtgaagc 180
agataacaaga tcagcttatac caagctaagg tctatcttc cttccagtt gtaaaatcgc 240
atccacatct cactcgaggat cttcgattac gggtaaaaa 278

<210> 47121
<211> 276
<212> DNA
<213> Glycine max

<223> Clone ID: 701038576H1

<400> 47121

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gtatcagcgg atttagtgaa gcagtatgca gaaaacaacg atctttctt tgaacaattt 120
gccaaagtcca tggtaagat gggaaacatt actcctttaa cagggtaag gggagagatc 180
agaaaagaact gcagaggaat taacaagtga tgttagtgata tcattgtcat gtgacacgtg 240
tgaaaaggttgc acctacattt tactttctt cctctt 276

<210> 47122
<211> 277
<212> DNA
<213> Glycine max

<223> Clone ID: 701038577H1

<400> 47122

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ggcaccttcc ttatgtctat cccttccaaa cacttccacc ttctctgatt tccacaagct 120
acactgtttc tgtttccacc caaaaaaaacc gattcggcaa tttatgtctg gttgggtccc 180
agaagctcggt cacgtggcggtt cccattttggg ttaccgaaag aagcttaatg cgttgagcc 240
agatggagag aqcttaccacg ggacgatggaa ggataaac 277

<210>	47123
<211>	278
<212>	DNA
<213>	Glycine max

<223> Clone ID: 701038578H1

<400> 47123

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acttgaaaag agaagaagaa gaaaaaagtg gtttgagaa aatggtttag caatcggtgc 120
tggtgctcga aaagcaaggg gcaaattccag tgttatcaga aggaatccac gattgggtgt 180
ttgactgcca tgggcttttgc cacaatgcgg ttttgatcat cgcttcttgc ctttcgtct 240
tgtacttagc actgcaagct gcaaagagct tcctcaga 278

<210>	47124
<211>	280
<212>	DNA
<213>	Glycine max

<223> Clone ID: 701038579H1

<400> 47124

ctcaattca gttcttctac gttctaaccac ttcgcaaaac gacttcgttt taatcttaca 60
tcctcgtag tcgtagtac ttacgcgaac cagctgaatg cacggcaacg tcggtcacgt 120
gaccatggc ttctcatcaa ttccctcgaca acttcataat ttccgatcac attctcgta 180
cgggctccctc cgactccgag gttgaaaatg tcggtgacgt gcctcaactgt ccggtccttg 240
ttttcgtaa ctccaagagt ggccggtaac tcggcggaca 280

<210> 47125
<211> 286

<212> DNA
<213> Glycine max

<223> Clone ID: 701038581H1

<400> 47125

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ccaaattctg acatttagcat aggagcaactg tgattttgga tgactatatg gtcttccagt 120
tatcccttgg taatatatgt gactttgtag atgcataaat gttgtcgctc caaggtgtct 180
taatgacact gcttctctct gtgttggct ttgctttagt ttgatttaac atgtctttg 240
cccaaattgc ctgataatca gatttcagat ggtctatcct gtaaag 286

<210> 47126
<211> 275
<212> DNA
<213> Glycine max

<223> Clone ID: 701038582H1

<400> 47126

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accctttcaa cgcatgctt ccctccaaa ttcttcacct ttctcccttc ttccccttca 120
tttttctatt atcttacatg ttgttgcatc cgtgccaaaa ggggtttgtt cctgcacaat 180
taaattcaac cccttaggct ataaaaaaaaa aagattttc atttcaatt ctttggaaagg 240
tttcaataat aagaagccct tgattctaga agaaa 275

<210> 47127
<211> 275
<212> DNA
<213> Glycine max

<223> Clone ID: 701038583H1

<400> 47127

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gcagcggcaa tcgcgttaagt gcgagaagga ggagaaatcg gagaagctga aggtgaagaa 120
ggcgattgag aaaggcaaca tggacggagc gcggatctac gcggagaacg cgatccgtaa 180
gcmcacggag cagatgaact acctccggct tgccctcgccg ctggacgcccg tcgtggcccg 240

cctcgacacg caggcgaaga tgacgacgat cagca

275

<210> 47128
<211> 278
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<223> Clone ID: 701038584H1

<400> 47128

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ccacgtgtct ctccatgctc tccctccgccc gcttctccgc gtgccgcgac ttccgcccgtc 120
gcctcnctcc ctccgacttc gtcgcccgcg tcctcgccgt agccgacgtc ctctccgcct 180
ccgacttcta ctccgtcctc cagctccgccc cttctgacgg cggcaaccgc gacctcgccgc 240
ggcggcagta cgcaaaaactc gcactcctcc tgacccca 278

<210> 47129
<211> 273
<212> DNA
<213> Glycine max

<223> Clone ID: 701038586H1

<400> 47129

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gattccaagg atttcagaa aggaggaccc caaaaatgcct tggttttgg tccaactatg 120
ccatccacaa caccgaatga tactggctt cagagaaaa gtacagcggt tgttcagcc 180
tctggttcat ctgaaagaaa tttatcaaca tctgcttga tggaaagaat gccaaataaa 240
tggccacgtc ctgtatggca tgcaccatgg aag 273

<210> 47130
<211> 273
<212> DNA
<213> Glycine max

<223> Clone ID: 701038587H1

<400> 47130

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tatgtaccaa tagcacaact gagtgaaatt tcgtatatta gtatttctgg catatctag 120
gaagtctttg aattcttgct ggacttataat gatgtgcctc atactcttc agttttcat 180
tggccttgta tttttctta gcgacataga attggttca acatttgaaa gatgcctctg 240
aagtctcaat aagaatccaa ttccctgttaa gta 273

<210> 47131
<211> 277
<212> DNA
<213> Glycine max

<223> Clone ID: 701038588H1

<400> 47131
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gaattgaagg gggtgaatga tgattgcgaa cattttgagt ctttccacc tggtcacttg 120
tactcttagca aagagagagc gtttgcgaga tggtacaatc ctccatggtt ctctgaggct 180
attccctcag caccttatga tcctcttgct ttgaggcatg cctttgagaa ggctgtggta 240
aaaaggttga tgactgtatgt tcccttggt gtttg 277

<210> 47132
<211> 277
<212> DNA
<213> Glycine max

<223> Clone ID: 701038591H1

<400> 47132
ccagacacag agtgcgttcg ttgacgacaa acacacacaa acacacaaca aaacgtcaac 60
ggaaaaatctt tctccggcga cctggaattc cgacgaaggt agttgcggct cttcgccc 120
· gaaactgagg cccccaaagt ataaactttg gtgggtgggtgg gtaggatctg gcggtgtatg 180
atgccgatct tgcataatgcc cggtggagac tccggcgagg ttgctttgga ccacaagctt 240
cttccgtcat caacttatga tcttctaata attaata 277

<210> 47133
<211> 275
<212> DNA

0
1
2
3
4
5
6
7
8
9

<213> Glycine max
<223> Clone ID: 701038592H1
<400> 47133

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accgaatatt ccggggccgg agactcgccg ccggttacca ctcgcctctc acttttatcc 120
cctccaacga gacttatcag attgaagcct ttggattctt gcatttgcc aatgttctg 180
ttgggactcc accattatcg tttctggtgg cattggatac tggcagtgac ttgttctgg 240
taccttcaa ttgtaccaga tgtgtgcatg gtata 275

<210> 47134
<211> 273
<212> DNA
<213> Glycine max

<223> Clone ID: 701038593H1
<400> 47134

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gaggctgttt gtgaccatc tggagggca gatctatacc tgcaaacact gccgcaccca 120
cctcgctctc tatgaagaca tcgttccaa ggcttccac agcagacatg ggacagctta 180
tctttcagt aaggtgtaag ttatcctga ttttagattt tggAACCTA tcattatgtg 240
attactataa aaaaaactc agatacatgt tct 273

<210> 47135
<211> 277
<212> DNA
<213> Glycine max

<223> Clone ID: 701038594H1
<400> 47135

ccaaatagga gtctgtgtaa gggagaaga tgggtcagg ttctggaatc tgcgcaaagc 60
gagtcgttgtt ggacgcccgc caccacatgt tgggtcggtt agcgtccatc gtggcgaaag 120
agcttctgaa tggcagaag gttgcggtgg tgcgctgcga agagattgc atctccggcg 180
gtctggtgag gcagaccatg aaatacttga gattcctccg caaacgcatg aacacccaaac 240

cctcccatgg ccctatccac ttccgcgccc cagccaa

277

<210> 47136
<211> 190
<212> DNA
<213> Glycine max

<223> Clone ID: 701038595H1

<400> 47136

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aagttaaag actgctggtg ctgaaggaga aataacagca ggattttat taaagaaaag 120
tgcaaaaact aatggttgga gcaggcgatg gtttgtcta aatgaaaaga cagggaaagct 180
tgggtacacc 190

<210> 47137
<211> 231
<212> DNA
<213> Glycine max

<223> Clone ID: 701038601H1

<400> 47137

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tttcgagttg ttgctaaaga gtgatggact caccgccag caatcaccac gcggtcgacg 120
gagacgccaa cgacgtcggtt agatccttt cccaccgcga cgacgatgaa gacggcaagc 180
cccaaccctt caccggggac gcggcagttcc tggaaagatat tcataggggg t 231

<210> 47138
<211> 257
<212> DNA
<213> Glycine max

<223> Clone ID: 701038603H1

<400> 47138

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atctctcacc ttgaattttaga aaagcattca aagctttgaa cccaaatttca ctgtttgcac 120
ctcaaacatc tttagaagtcc caattgagtc tcaattccac aaccaaaaat gcaaagttca 180

atttcacaat ctgatatttt tatkactgat taccttgac cccaagaagt tccattcaa 240

tttcaatttc aagatat 257

<210> 47139

<211> 172

<212> DNA

<213> Glycine max

<223> Clone ID: 701038605H1

<400> 47139

gtggcttttggaggaaaggaa gggaaactttt agtgtggag ggtggaaact ggaattgggt 60

ttgggtgggg gtaaagagaa tgaagattca gtgtAACGTG tgtgaggctg cgaggccaa 120

gttctgtgt tgtgctgacg aggctgcgt gtgtggag tgtgatgaga ag 172

<210> 47140

<211> 266

<212> DNA

<213> Glycine max

<223> Clone ID: 701038607H1

<400> 47140

ggcagacttag tatccgatcc tctgtcctct cgaagcttc atcgttcaac atattctcac 60

catctcagtc atgggcctgc tatctgttt taggtctacc gtcctgagaa aatgttccaa 120

aggaagctct ggcatgtcaa gattcctgta tacgaacaat tttcaacgaa acttgatttc 180

gtctggggc aatgaatcgt attatggta ttttaacagg agatcataca cttcacttta 240

tatgggaact ggaactgtgg gtggga 266

<210> 47141

<211> 254

<212> DNA

<213> Glycine max

<223> Clone ID: 701038608H1

<400> 47141

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cctgtatctt gtttcctcta tgcaataacg aagtacaaat agatgggtat acacaacaat 120

0953111
= 032000

tctatttca tatttcataa tataacaatct tacttctttt atggatacaa aaggggaaaa 180
aatgatttc acatacaaca attgctcagg gatTTTgatg gttggatatt tgaattcctt 240
ttttcaattc ttta 254

<210> 47142
<211> 251
<212> DNA
<213> Glycine max

<223> Clone ID: 701038609H1

<400> 47142

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gactacaata acaaactctgt caacgtggaa cgTTTcacat cggcactatt ggatgctggg 120
ggctttcagt ttgtgccagc accttctgct gcctaatacg cttattatTTT acagctacaa 180
attaatgtta attaacgaca aagtataatgt attgttattt gcttttattc gttttgggt 240
cttatatatag a 251

<210> 47143
<211> 277
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<223> Clone ID: 701038574H1

<400> 47143

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cgatcggtct cctgttcacg gtctttgccg tttcctccgc cctagacatg tcgataatct 120
cgtacgacag cgccccacgacg gacaaggccg ccaacttgacg caccgaggag gagctgtatgt 180
ccatgtacga gcagtggctc gtgaaggacacg ggaagggtgtt caacgcgtc ggcgagaagg 240
agatccgtt ccagatcttc aaggacaacc tgcgatt 277

<210> 47144
<211> 280
<212> DNA
<213> Glycine max

<223> Clone ID: 701038546H1

<400> 47144

gcgtgaagct ctaaatgaaa tattgggaga agatattgcc aagcacgtaa ttctaaagg 60
caccgaagat ggatccggca ttggggctgc actgcttgct gcctcttatt catcctaaac 120
tgtggataga gggtacacacct gctataaaaa tatatataaa ttgtttgata ttttatata 180
atatatatgt atatattttat atatatgtac atatatataat ataggcacac acgcacgtat 240
agccatgtaa atcagaattt attcacatata ttaatatctg 280

<210> 47145

<211> 281

<212> DNA

<213> Glycine max

<223> Clone ID: 701038549H1

<400> 47145

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tactcaagct gtagcacaac ccaaaaagga agaggctgct ccagagagac cggtctaggac 120
ccttttgggg tggaaaggata agaatcaagt tgaggatgat tcaccaatat ttaggaacaa 180
agagaagcta ttggtcactt gctctaggcg catcaattac aggtaccggc atttgatgtt 240
gaatttggtc acacttttgc ctcattgtaa gaaggataac a 281

<210> 47146

<211> 278

<212> DNA

<213> Glycine max

<223> Clone ID: 701038550H1

<400> 47146

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ctagctgtgg gtgtggaagc agctgcaact gtggcagcaa ctgcgggtgc aacaagtact 120
cttttgactt gagttacgtt gagaagacaa ccacagagac tctagtttg ggtgttggc 180
ctgtgaaggc caatgtcgag ggtgctgaaa tgggtgttgc atctgagaac ggtggctgca 240
actgtggatc aagctgcacc tgtgaccat gcaactgc 278

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D 0 0 0 0 0 0

<210> 47147
<211> 278
<212> DNA
<213> Glycine max

<223> Clone ID: 701038551H1

<400> 47147

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gggtggcgtc gccagcgatt cccccctccg gtcccttc cacccttcaa ttcaaccctc 120
tcgtcttcgc ttcaactgatt ccctcttca aaatgcttcc gatcgcttgc tagggtttc 180
cctctccaa attcctcct cgaaaagcac cctgtacctt ttattcctcc gactaatcaa 240
cttcttgct atagctattc gtgtAACCTT ttcctttt 278

<210> 47148
<211> 281
<212> DNA
<213> Glycine max

<223> Clone ID: 701038552H1

<400> 47148

ccaacatctc atacaacttgt gtgtcatagg gtggtctcct ttggtgagaa ttgagaagac 60
actcaattca tcacctttc cctctctcct tttccaaaga aaaagaaaaa aagaagatca 120
attccaatgg aggtttcatg caaaaatttg agaagatcaa tccacagttt tcttcaaaac 180
taccattatt ttacctcaac tgcagcttt cttagcccttc ctttctccgc atcaatactc 240
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<210> 47149
<211> 277
<212> DNA
<213> Glycine max

<223> Clone ID: 701038553H1

<400> 47149

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ctctcccaa gaagacgctg aggctctcag aaaggctttt gaaggatggg ggactgtga 120
aaaaactgtc atagtaatat tgggtcatag aactgtttat cagaggcagc aaatcagaag 180

agtctatgag gaaatttcc aggaggatct tgtgaaacgc ctagagtctg agatcaaagg 240
agactttgag aaagccgtgt accgatggat actagaa 277

<210> 47150
<211> 280
<212> DNA
<213> Glycine max

<223> Clone ID: 701038554H1

<400> 47150

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aatcgatggc gaatcgacg gatccagcag ctaagagcat aaggggcacg aaccctcaga 120
acctggtgga gaagattctc cgatcgaaga tataccagaa cacctactgg aaggagcaat 180
gttcgggtt aacggcggag acgttggtgg acaaggccat ggagctcgac cacctggcg 240
gcacctacgg cgaaaaccgc aaacccacgc cgttcatgtg 280

<210> 47151
<211> 274
<212> DNA
<213> Glycine max

<223> Clone ID: 701038555H1

<400> 47151

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gcttattgca ctggtctcct gttggcccga agagtcctca aaacacttga aatggatgag 120
gagttatgaag gaaatgttga ggctactgga gaggattatt cagtggAACc tgccgagagc 180
aggaggccat tccgtgcact cttgtatgtt ggtcttggta ggactacaac aggaaatcgc 240
gtctttggtg cccttaaggg agctctggat gggg 274

<210> 47152
<211> 276
<212> DNA
<213> Glycine max

<223> Clone ID: 701038558H1

<400> 47152

ctcgaggcgtt ataatagaac gcggaaggag aagaagaagt aaccgacgct tgaacacacc 60
gaaccgttct tcgattcggg ttcaagttcg aagaagaaaa gcatgagtt cggtagtag 120
cagcagccac agcagtgagg aggagaagga gaagcagaga gtgagtcgga cgctcggtat 180
actctggcac gcgcagcaga acgacgccgc agctgtgcgg aagctgctgc aggaggatcc 240
ctcgcccgta aaggccagag actacggcaa ccggac 276

<210> 47153
<211> 281
<212> DNA
<213> Glycine max

<223> Clone ID: 701038559H1

<400> 47153

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acatgatgaa gccatcgatg ctcagatctc tccactccgc cgccacccgc ggccctctc 120
atctcttccg ccgtgggtac gcctccgagc cggtgccgga ggcgaaggta gccgttctcg 180
gcccgcggc cggtatcgg gcagcctctc tcccttctca tgaagctcaa tcccctcg 240
tcgagcctct cccttacga tatcgccgga actccggcg t 281

<210> 47154
<211> 278
<212> DNA
<213> Glycine max

<223> Clone ID: 701038560H1

<400> 47154

tggcgatgga aactatgctc acaacaagt acagacacag agtagaagca aaagattcat 60
aataactaac attagaaact aggtgaaagt aactgcacag acacacaaca catttcctt 120
aatttctccg tccatttccc tcccataaat aaatcttca tttccatctt tcttgggtga 180
tccaatggcg accctttcc agggattggg agttgtgaac ccatcattgg cttcttcaaa 240
ctccaacaag ttccatctc cttctcgat atccctct 278

<210> 47155
<211> 278

DRAFT FEB 1990

<212> DNA
<213> Glycine max

<223> Clone ID: 701038561H1

<400> 47155

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atcatcacccg ttgattgaag aagatgccga tcagaaacat cgccatcgga aggcctgaag 120
aggctactca ccccgacacg ttgaaggcgg ggttggctga gttcatctcc acttgatct 180
tcgtgttcgc cggttcaggt tccggcatcg cctacaacaa gctcaccgac aacggcgccg 240
ccactcacgc cgccctcatc tccggcca tcgcccatt 278

<210> 47156
<211> 279
<212> DNA
<213> Glycine max

<223> Clone ID: 701038562H1

<400> 47156

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tagcgttagga aatggaagtc acactttcat cctgcaagtc cattagctcg ccgtctgttc 120
ccgtcgcagg tttgttgcg gggaatggag gaattaagag ctcgcaatgc agtttcttag 180
cgggatcgag caaagtcaagg tttccctaggc aagtaggtca agttagccac ctgcgaaac 240
agcgccaaac gcgtcactgc ggtgctctcc acgcaactt 279

<210> 47157
<211> 267
<212> DNA
<213> Glycine max

<223> Clone ID: 701038565H1

<400> 47157

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catccttattc tacctctcat tccaatcgcc cattagtaat cttttttttt ggtttttttt 120
gtggacatgg tgctatcacc agcctctgct attggccaaat gtccctttct tcttcaatgt 180
caatttcctc ttctggctca tcggcctaatt ccaatccagc cactggatga ttgacccgta 240

ttggacagtg atacctgtga tgcttgt

267

<210> 47158
<211> 278
<212> DNA
<213> Glycine max

<223> Clone ID: 701038567H1

<400> 47158

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ctgctttgtc caattatagt catttgaac agtgatgaag caagggtcag caaacacaacca 120
acagctctt tggcaagag tggtatgcg caaatggctt aacatggcta gtaacgagcc 180
tgattacacc gctgaccctg atgatgataa tgaggatgac cctgaaagtg actcagataa 240
tgaagagttg ggaaaacgga cacggttgg ggacagca 278

<210> 47159
<211> 277
<212> DNA
<213> Glycine max

<223> Clone ID: 701038568H1

<400> 47159

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tcgttggag cgaacaagtt ccccgagaga cagccaattt ggacggcggc gcagagccaa 120
gacgacggca aggactacca ggagccggcg ccggcgccgc tggttgaccc gacggagttt 180
acgtcatggt cgtttacag agcaggata gcagagttt tggccacttt tctgtttctc 240
tacatcactg tcttaaccgt tatggagtc gccgggg 277

<210> 47160
<211> 279
<212> DNA
<213> Glycine max

<223> Clone ID: 701038569H1

<400> 47160

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ctcacaaacc atgagcacaa tccaccaaac acacactcgt cgcgaaaggta aagacaaaga 120
gttcagttc tggggctcat caaacatcat accttctgaa aatgattgtg atcaaccaca 180
aggtaatgaa tcaaggctca aaaaggaagc atactttgga gaaacacacc aaagaaaaag 240
ccttaaatat gagtattcac gggtttgttc aacagtttc 279

<210> 47161
<211> 277
<212> DNA
<213> Glycine max

<223> Clone ID: 701038570H1

<400> 47161

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aatcttcga agttcgtttgcgtgtgtgt gtggtcagtc accgatggca gcaccacctg 120
cgagggcacg tgccgattac gattacctca tcaagcttct tcttattggc gatagcggtg 180
tggaaagag ttgtctgctt ttgcgatttt ctgatggttc cttcacaacc agtttatca 240
ccaccattgg cattgatttt aagataagaa ccattga 277

<210> 47162
<211> 276
<212> DNA
<213> Glycine max

<223> Clone ID: 701038571H1

<400> 47162

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actatggtgg ttatgcagaa gaatgtgttg gatatcaaca gcatcaccag tggtggaggg 120
atcggttggacc aaggcttagg cttcataggc agtgcagtcg atgcacttac tttgcagcc 180
accaaaaatct ccatccagtt gattagtgct accaaggctg atggtggaa aggaaaaatt 240
ggaaagagta caaatttaag aggcaagata acatta 276

<210> 47163
<211> 278
<212> DNA
<213> Glycine max

<223> Clone ID: 701038572H1

<400> 47163

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aaacaaaatcg gtcgtctgga agttggaagc gagaccgtga tagacaaaag caaatccatc 120
aagaccttcc tcatgcagat ctgcgagaaa tatggaaata ctgacattga ggggtttgat 180
tcaactaatg catgctatgg aggaactgct gctctgtta attgtgtcaa ttgggtggag 240
agcaattcat gggatggacg ctatggactt gttgtctg 278

<210> 47164

<211> 279

<212> DNA

<213> Glycine max

<223> Clone ID: 701038573H1

<400> 47164

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catttttatt ttttacgttc aaggccaaga attcaatggc aggttatgca tctggaatca 120
gcacccttgc cattggctca ggtgatgctc gacggcgtcc agcacaagcc caatccactc 180
ccaacactaa cactaacaca aacactaaca gcaacacttc ttcttctacg ccatcatctg 240
aagggttcac ttattnaat tctgccaaggc aagatataa 279

<210> 47165

<211> 280

<212> DNA

<213> Glycine max

<223> Clone ID: 701038545H1

<400> 47165

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tcctcttcc ctgtctccat tgtctggtc tgtttagct ttgcagaggt tggccttggc 120
aggcacacgc acatcccaca ttacatcaa cacattcat ttttttttt tctttctcct 180
ttgtcattcct caaaatcccc gacctaatt gctccgaccc caacaaaaaa cagaacaaggc 240
aagccatgga ttctcccaag atccatggct tgccctcgta 280

<210> 47166
 <211> 283
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 701038522H1

 <400> 47166

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 gcttagtcttc ctattatcac aaacaatgtc tgacagtcaa gaatctgaca agaacattga 120
 gatatggaag atcaagaaat tgatcaaggc tctggaagct gctcgaggta atggtaccag 180
 catgatttct ctgataatgc ctccacgcga tcaaatttcc cgggtcacta agatgttggg 240
 agatgaattt ggaactgctt caaacatcaa aagttagggtg aac 283

 <210> 47167
 <211> 282
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 701038523H1

 <400> 47167

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 ctaagccgat tcgaaccgtg gcttcctcgg cctcgcagaa cctctctcga agaaaaatctt 120
 cttttcgtc ttcgTTTct caacaaacctt ccgggtcgcAC ccggatcgTT taccgcgaAC 180
 ctcggatccc atcggaatcc aattttccga tctggcagca gaactggttc atcgcattgc 240
 ttttcctcat ggctctcgga ttcttcgccc tcgctctctt cc 282

 <210> 47168
 <211> 285
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 701038524H1

 <400> 47168

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 gctttgcag gagagagcca tgtccatgca tcgctacctg aggaagatta ttgggaagct 120

gtttggccaa acactcccat tcccactgca ctgcgagagc ttctaaagcc tctccctcg 180
aggtgttcaa atcgatgaac tccctaagca aattgatgat acacagtacc caaaaacatt 240
cttctataaa gaagaccttc atccaggcaa aacactgaaa gtaca 285

<210> 47169
<211> 283
<212> DNA
<213> Glycine max

<223> Clone ID: 701038525H1
<400> 47169

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gccccccttcct ttgtgaactt tttttgtta tccagaagaa tatgacatcc tggttattgg 120
gaagggtctag taggatctta attcatcaac aacaacagct tcacaaggga ccatttctta 180
actataatag ctcttgttcc tctttcgat caactgagcc atttaggtgc cgtgatgcat 240
taccgggtaa gaactcgtca cctaccctt tccgctttg gcg 283

<210> 47170
<211> 271
<212> DNA
<213> Glycine max

<223> Clone ID: 701038526H1
<400> 47170

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ccccagcaaca tggatgctag aagtgagttc tgttagcagct gaagttcgtc ttggaatgga 120
ctttgctgaa tactacaaga catcatctt attccagcga aacaaagctc ttgtatagga 180
gttaaggcaca ccccccgcctg gagctactga tttgtatssc cccaccaagt attctccctc 240
cacattgggg caatttaaat cctgttttg g 271

<210> 47171
<211> 279
<212> DNA
<213> Glycine max

<223> Clone ID: 701038527H1

D
E
S
E
M
A
R
C
O
D

<400> 47171
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atgtccctaa tgtggatggt ggatgctcga attccaggcg tataactctgg cggcgcttgg 120
caaaaatgctc acgctacgtt ctacggagga tccgatgctt ccggcaccat gggtgagca 180
tgtgggtacg ggaacctgta cagccaaagg tacggagtga acactgcagc gttgagcacg 240
gcactcttca acagcgggct gagctgcgga cgtgcttcg 279

<210> 47172
<211> 279
<212> DNA
<213> Glycine max
<223> Clone ID: 701038528H1
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atctttcatt tcaacgttcc tcaatagcgc attctagtct tcacgagcaa taattttcg 120
attgctttcc caacatgacc gcttctaata agaaaaaccc caaagagaaa ccaattcgcc 180
gcaaggcaga aaaaccggaa gaaccggaag tgccgaaata cagagatcga gctaaagagc 240
gtagagagga tcagaatcct gattatgaac aaactgagc 279

<210> 47173
<211> 280
<212> DNA
<213> Glycine max
<223> Clone ID: 701038529H1
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aaggaactca aggtcacctt ccccatggaa agctcagtcg agatcgagat ctaggtcaag 120
gtcgagatct aggtcgaggt ctaggcctag acaaaggcca agatcgcgtt cttagaagtgc 180
tggcagggtca aggtcaccaa ttctgttggaa gtcaagggtca ccaattcatg gaagggtctga 240
acctacaat cctgggtgaca cactttatgt aactggtcta 280

<210> 47174
<211> 281
<212> DNA
<213> Glycine max

<223> Clone ID: 701038530H1

<400> 47174

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taacagaact tcgtgcacag ggtcgagagc cagttccctcc agtagggatc gtaccactgg 120
ggacgggcaa tgacctgtct aggagtttc gttgggtgg gtcatttccg tttgcattgaa 180
ggtctgcaat taagagaact ctacaaaggg ctagtaatgg gacagttaat cgtttgata 240
gttggcgagt ttcaacttca atgctcgaag gtacacctgt g 281

<210> 47175
<211> 283
<212> DNA
<213> Glycine max

<223> Clone ID: 701038531H1

<400> 47175

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gttggatttc gtagatctga ttcatggtca gcacatagat tgtggtgca gcacaatgga 120
tcctggcagt ggaggaaaca gtcttggcaa caactctaatt ctcgcttcaa aacaacgttt 180
acggtgacaca catgaattac atgagcgctt tgttgatgct gtggctcaac ttggtgcc 240
agatcgtgcc acacccaaag gtgtcctcag agttatgggt gta 283

<210> 47176
<211> 285
<212> DNA
<213> Glycine max

<223> Clone ID: 701038532H1

<400> 47176

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tttggaaacaaa caaacatacc agtcaaaaaat caaaatctca gagttgttg aacgagaaaat 120
tggaaatgtct cagaccaaga aattgacgcc gaatctggat cagcagagca cgaagggtgct 180

gaatctcacc gtgctccagc gaatcgatcc gtacatcgac gagattctct tcactgccgc 240
gcatgtctcc ttctacgact tcaacatcga aagcaaccag tggag 285

<210> 47177
<211> 285
<212> DNA
<213> Glycine max

<223> Clone ID: 701038533H1

<400> 47177

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accgaccatg gtgcacgtct cctttacag gaactatggt aagacgttta agacgccccg 120
ccgtccgtac gagaaggagc gtctagacgc ggagctgaag ctggtgaaaa agtacgggct 180
gcggtgcaag agggagctgt tgagggtgca gtacgcgctc agccgcattcc gctacaacgc 240
gcggaatctc cttaccctcg acgataagaa cccgcgcggg atctt 285

<210> 47178
<211> 280
<212> DNA
<213> Glycine max

<223> Clone ID: 701038534H1

<400> 47178

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aggacgtgag tatttttaattt gaagaaaaac taaattatat ctgactatat atgatcttga 120
agctttcatt tcagattact ttgtcaattc agtgcctta tcaatatacg agccacaact 180
gctatattct tattagacct tcttatgttt cttctgaaat tctttagcat tcgccaatgc 240
ctgtcttggtt tgtctgtttt taagtttaac aaatcacaca 280

<210> 47179
<211> 280
<212> DNA
<213> Glycine max

<223> Clone ID: 701038535H1

<400> 47179

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tcgtctcaac tcaactggca tttctgaaca ctctaaaaaa ccagagccaa accccaaaca 120
aaattgtctt ctcttctatt tctccaatta caactcgaaa ccctaactcg gccgagtcat 180
catggcgaat cacccctccg aagctcccac cgacgacttc ctggagcaaa tcctggcct 240
ctcgacccttc gcctccgccc accccgcccgc cgacgcctct 280

<210> 47180
<211> 280
<212> DNA
<213> Glycine max

<223> Clone ID: 701038537H1

<400> 47180

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tctctttctt tcctaattaa tccttccatg caaacaaacg ctagactctc atactcatag 120
tgacacacac agcttagttt cgttgtattt tatgtgtcct ttctcaattc tcatcatata 180
tctgttcaag taccattatc tttctatgtt gagtgtcggc atttttgag tttctacta 240
ccacttggttc ttgtgttctg atacatgcat atatatacgt 280

<210> 47181
<211> 294
<212> DNA
<213> Glycine max

<223> Clone ID: 701038538H1

<400> 47181

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aaaacccaaag tgcgagacac aatgatgaag ccatcgatgc tcagatctct tcactctgcc 120
gccaccccgcg gcgcctccca cctctcccgcc cgtggctacg cctccgagcc ggtgccggag 180
cgcaagggtgg ccgttctagg tgccgcggc gggatcgggc aaccctctc ccttctcatg 240
aagctcaacc ccctcgtttc cagcctctcc ctctacgata tcgcccggaaac tccc 294

<210> 47182
<211> 276

<212> DNA
<213> Glycine max

<223> Clone ID: 701038539H1

<400> 47182

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ctagctgtgg gtgtggaagc agctgcaact gtggcagcaa ctgcgggtgc aacaagtact 120
cttttgactt gagttacgtt gagaagacaa ccacagagac tctagtttg ggtgttggc 180
ctgtgaaggc caatctggag ggtgctgaaa tgggtgttgc atctgagaac ggtggctgca 240
actgtggatc aagctgcacc tgtgaccat gcaact 276

<210> 47183
<211> 122
<212> DNA
<213> Glycine max

<223> Clone ID: 701038540H1

<400> 47183

caggcattct tcattctcgta acactctgct taagctactc cagatacga agccaccta 60
tctcgagggta taaaatcaaa taaattgata aatgggtgtcg tgccggcttct tacagcgtat 120
at 122

<210> 47184
<211> 283
<212> DNA
<213> Glycine max

<223> Clone ID: 701038541H1

<400> 47184

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gataaaaaagt atctaaggta aggaaatcca gagagatcac aatagccggt caacgtccag 120
ctacatgcat agacatcctc cttgacatca ttttcctcc tcttgggtt ctcctcaaatt 180
attgctgctta ggtggagttc tggatttgtt tggtgctgac ccttttggt tatataacctg 240
gacatatctta tgctgtctat gctatcacca agtgtatcacc ctt 283

<210> 47185
<211> 283
<212> DNA
<213> Glycine max

<223> Clone ID: 701038542H1

<400> 47185

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attataaaaa atgaaacaaa tagaaatgga aagtaacgca tcagcactag caaagaaaagt 120
ttggagcatg gtacgtgtgg tttttttcat gttcgaaaaa ggcataacaa agggaaagct 180
catgatggac ctcaacatga tgctgaaacg ccgcggcaag ctcggccggca aagccattgc 240
caacttaatg tcgtcccacc accaccacaa ccgcgggtggg tcc 283

<210> 47186
<211> 278
<212> DNA
<213> Glycine max

<223> Clone ID: 701038543H1

<400> 47186

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ttggacacta aatgttccac tccctcgatgatgagcatgatgatggctttttt tgtcgcttcc 120
ttcgtccctct gctctgtggttttctcagtc tccattgttc ttccgagactc tccctcagat 180
gccgcctgc acgaaccctc gtcactcgca gccctcttgc aaatcacaca aactctacga 240
gatttggtca atgaaacctc tgattctgtt gagctgca 278

<210> 47187
<211> 279
<212> DNA
<213> Glycine max

<223> Clone ID: 701038544H1

<400> 47187

aaaagaacac atgaaagtct gtgatcttgc tcctaagtttgc ttacaaggttt aagtgttcct 60
tggaggaatc agagaaacag gttttgaaac aaggttctt ccagaggta tgtctatcag 120
atgtgacaa ttcaagctcc actcaggcca ttgaagacat ttcaatttca tttgctggct 180

caaagctcta tgcattcaca cttgaggagc taagggaaagc aacaaacagt ttctcatgga 240
gtaacatgct aggtgaagga gggtttggac ctgtctaca 279

<210> 47188
<211> 280
<212> DNA
<213> Glycine max

<223> Clone ID: 701038521H1

<400> 47188

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gagttctaat gagtaacgaa tacgattacc tggtaagct ttccttaatc ggagactctt 120
ccgttggaaa atcctgcttg cttctcagat tcgctgatga ctcctatgtc gacagctaca 180
taagtaccat tggagttgat ttcaaaatca gaacggtgga gctggaaggg aaaaccgtca 240
agctgcagat ttgggataca gctggacatg agcgattcag 280

<210> 47189
<211> 242
<212> DNA
<213> Glycine max

<223> unsure at all n locations

<223> Clone ID: 701038486H1

<400> 47189

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tctctggaa ggactaccag gancctccac cagcaccact cattgatgct gaggagctca 120
caaagtggtc ctttacagg gctcttattt ctgagttcat tgccactttg ctcttcctct 180
acatacactg tgctcacagt tatagggtac aagcaccaga cggatcatgc tgatgcgtgt 240
gg 242

<210> 47190
<211> 235
<212> DNA
<213> Glycine max

<223> Clone ID: 701038487H1

<400> 47190
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gatgggtaag gcaaagggtc acatcagtat tgtggtcatt ggtcatgtcg actctggaa 120
atccactacc actggtcacc tgatttacaa gcttggaggc attgacaagc gtgttattga 180
gaggttttag aaggaagctg ctgagatgaa caagaggctt ttcaagtatg cctgg 235

<210> 47191
<211> 238
<212> DNA
<213> Glycine max

<223> Clone ID: 701038490H1

<400> 47191
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ctaaacctg gcttctccg cttaatttc tcgttctctc gccatcaagt ccatatacat 120
cgttccagca tggagaagat aaaaataaaa ctactcatga aggtgaaac atttctccaa 180
cacccttttgc ttcttgctgt tggtctgggtt ttaggccttg ttatgatgga ccctttc 238

<210> 47192
<211> 130
<212> DNA
<213> Glycine max

<223> Clone ID: 701038491H1

<400> 47192
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tggaaagctgg tgtttgttcc agcaggccag ggtgatgaga ctgaattcga ggtgttgaac 120
ttcactggtg 130

<210> 47193
<211> 121
<212> DNA
<213> Glycine max

<223> Clone ID: 701038492H1

<400> 47193

ccagagatgg aagaagatgg caagagagac aacactgatt cacccaccaa ttcgcaacac 60
acagttctg atgatgatga aatagactac acaaccaaac cagagttta tgacccagat 120
c 121

<210> 47194
<211> 179
<212> DNA
<213> Glycine max

<223> Clone ID: 701038493H1

<400> 47194

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cctcctccgg ccagcggaag atgccgctga tgggcctcgg caccgcgccc gaagcaacca 120
gccccgttac cacaaaagat gctgttctt aggcattcaa gcaggctac aggacttt 179

<210> 47195
<211> 231
<212> DNA
<213> Glycine max

<223> Clone ID: 701038494H1

<400> 47195

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acccagttag ttatTTATC aagatattct gtggttcaat cttggcattc atcttgttct 120
tgtcacccaa aatgatcatg gcattcagga atcaagtcat tttagaagaat tagaaactgt 180
ttgctgaatt caatctgcaa gcatatagat gaaggctatt gatagcaaca a 231

<210> 47196
<211> 232
<212> DNA
<213> Glycine max

<223> Clone ID: 701038495H1

<400> 47196

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ccagtgccaa tcagttccac ggaaagccaa gacctaagt agatcctgct cgagacctct 120

ctattcaagt ttttagagaag ttttctcttg tcacaagatt tgcccgtaa acaacttcac 180
aacttttgg agaaaaccag agtaatggat ttagtcccat tgacaggagg ac 232

<210> 47197
<211> 281
<212> DNA
<213> Glycine max

<223> Clone ID: 701038501H1

<400> 47197

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ttggggtgct tcattttta cgcagacaac agaggatgtg gctagagctg ttgccactgc 120
tatgaattct cagaggccat ctgtgtatat tcattgaaaa atgatcatgg tggcagccaa 180
cttcaaaggc tgcagtatca agttacgaaa atgataaaag gatttctag ccctccagaa 240
gttaaatata caaattacaa tccggaaatc ttgacaactc a 281

<210> 47198
<211> 282
<212> DNA
<213> Glycine max

<223> Clone ID: 701038503H1

<400> 47198

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tgcgttgcagg taactcgccg tgaatctcat ccctttccct cgtctgcact tcttcatgg 120
tggatttgcg cctctaacct ctcgtggctc tcagcagtac cgtgcattga cagttccaga 180
gctgacacag caaatgtggg atgccaagaa tatgtatgtt gccgctgatc ccaggcacgg 240
gcgttacctc acggcatcag ccatgttccg tggcaagatg ag 282

<210> 47199
<211> 283
<212> DNA
<213> Glycine max

<223> Clone ID: 701038504H1

<400> 47199

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acttcctctt ttgtggtag attcaattta ccatgtcgag ttcatcgaa tactctcaat 120
tttccggcca gaaaaccggcg aggtcgccgg agaaaatcgag cttctctcag actttagcc 180
tggtgagtca atacatcaag gagaaggta gcttcggaga tcttaccctc ggaatgacat 240
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<210> 47200
<211> 283
<212> DNA
<213> Glycine max

<223> Clone ID: 701038505H1

<400> 47200

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gtgaagttca cagctgaaga gctacgtcgt attatggact ataagcttaa tatccgtaat 120
atgtctgtca ttgttcatgt tgatcacgca aaatcaaccc tcactgattc tcttggct 180
gctgctggta ttattgctca agaagttgcc ggtgatgtcc gtatgactga taccctgtca 240
tatgaagctg agcgtggtat taccatcaag tctacaggta tct 283

<210> 47201
<211> 284
<212> DNA
<213> Glycine max

<223> Clone ID: 701038506H1

<400> 47201

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aacatgctgg agaatcttca ggctccctcg ccaacggaat cggccccagt ggtgaagcgc 120
tatgctcctc ccaaccagag gaaccgttct gccaaacaggc gcaaatacatc tgatcggtt 180
gatcgacaa acagtatcgga gaatgactta gaaaagaatc aagttgctta ttcaagaagt 240
gttcacattc cagatcacgg agatgctggt agcagtaatc ttct 284

<210> 47202
<211> 284
<212> DNA

<213> Glycine max

<223> Clone ID: 701038507H1

<400> 47202

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gaaaccggaa attgataagg ggaattggaa agtactcgag gtcgcagatg taccacaaga 120
cgggcatttg ggcttatcaag gccaaaaatg gtggcggttt acctcgccac gaccctaaac 180
ccaaacctga aacacccgct gaaaaaccac ccaaattttt ccctgctgat gatatcaaga 240
agcccccttgt caacaaggcac aaacccaaac ccgctaagct cagg 284

<210> 47203

<211> 285

<212> DNA

<213> Glycine max

<223> Clone ID: 701038508H1

<400> 47203

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aatgtctaca ttggccatgg cttcccatg ctcacgttcg atgagcaaga ctttggcc 120
gagcttcctt ttaagtataa acccttcatt gaatcagtga acaaacgagg ccttaatata 180
tctgaagttg tgtgttctac tgcctcggtt ggggtgtatg gggagataaa gagcaaaagg 240
acactgaagc ttcaagtgc ttacacacaa gggctataa atttg 285

<210> 47204

<211> 283

<212> DNA

<213> Glycine max

<223> Clone ID: 701038509H1

<400> 47204

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caagctgtcc aagaatacta ttaccatctt atggtagga gggctgtgg atgtgctccc 120
acagccaatc tattagtaaa ggcttctcag acggcagcag gttcacgaga tcttgcgtatg 180
tttgatgaca attctgttagt catggtaaca gagtcagatc tagaaggta cgaccctaa 240

agtcaatcag ccatggcaag tgaaatatgg gcagatttaa gtg

283

<210> 47205
<211> 285
<212> DNA
<213> Glycine max

<223> Clone ID: 701038510H1

<400> 47205

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gatggaggct gtgggttgt ctgatcctaa ttcgcttat tggAACACTG caacgggtt 120
gggtgcttgg agtgatcaac ctaacaacat tggccttca gtcacttctc tgatctagag 180
aaaaagatga agcatcgttt tcaaaaagct acatatgaag aagaagaag tctctctccc 240
tcgttaatt aaggcatct tttggccct ttaggcttag gttt 285

<210> 47206
<211> 282
<212> DNA
<213> Glycine max

<223> Clone ID: 701038512H1

<400> 47206

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agtcttctta atcttacttt tattcttcac taaaaatgga aacccttatt ggaaaaacat 120
tcctcacact ctatattcca tcttcagttt tctcaatagt ctcgtcaagt agtggaccag 180
ctccatccag caacatagat tggtggtgca actaacccca caccctgtgc catgcaaaca 240
ctacaccatt actcaaatga agagccatca tttccaaatc aa 282

<210> 47207
<211> 260
<212> DNA
<213> Glycine max

<223> Clone ID: 701038514H1

<400> 47207

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tgatctgagg caactggccg tgaatctcat ccctctccct cgtctgcaca tcttcatggt 120
tggattcgcg cctctaacct ctcgtggctc tcagtagcac cgtgcattga cagttccaga 180
gctgacacag caaatgtcgg atgccaagat tatgatgtgt gccgctgatc ccaggcacgg 240
gcgttacttc acggcatcag 260

<210> 47208
<211> 283
<212> DNA
<213> Glycine max

<223> Clone ID: 701038515H1

<400> 47208

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tgccaaatct caggctgatt acgtattggg caagaatcct atgcataatga gttttctgg 120
gggctatgga gataaataacc ctcaatttgt gcatcatagg ggtgctcaa ttccctgctga 180
tgcataact ggctgcaagg atggcttcca gtggcttgag tcatactgatc ctaatccaa 240
tgttagctact ggagcacttg ttggtgacc cttcttaaat gag 283

<210> 47209
<211> 282
<212> DNA
<213> Glycine max

<223> Clone ID: 701038516H1

<400> 47209

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aaaaaggttc acatcagtat tgtggtcatt ggccatgtcg actctggaa atccactacc 120
actggtcacc tgatttacaa gcttggaggc attgacaagc gtgttattga gaggtttgac 180
aaggaagctg ctgagatgaa caagaggctt ttcaagtatg cctgggtgct ggacaaactt 240
aaggctgagc gtgaaaagagg aatcaccatt gatattgctt tg 282

<210> 47210
<211> 275
<212> DNA
<213> Glycine max

<223> Clone ID: 701038518H1

<400> 47210

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tctcacctga aaatgtcttg ctgcgggtgg aactgtggtt gcgaaagctg cctgcaagtg 120
cgccaacggc tgccggaggct gcaagatgta cccagacttg agtacactg agtcaaccac 180
caccgagacc ttggtcatgg gagtggcacc tgttaaggct caatttgagg gtgctgaaat 240
gggtgtgccc gctgagaacg atggctgcaa atgtg 275

<210> 47211

<211> 279

<212> DNA

<213> Glycine max

<223> Clone ID: 701038519H1

<400> 47211

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gacatggcaa ctactacact catgaagctt gcttcatgc ttctcatgaa ctttgttatac 120
tgcagcgcag aatcttccat cggcagaaag tccaatccta acccagaaga gttcgtgaag 180
tcctcgtgca gggcaacacg gtaccctgtt ctatgcgtca agtctctgtt ggctacgca 240
agcgtgattc gccgaagcga ccgacaacta gccacgacc 279

<210> 47212

<211> 272

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<223> Clone ID: 701038520H1

<400> 47212

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cgttatgatt cccattccca tgagcaatat ttgcgtggg aaagtcaaag tatcaactac 120
ggataacgtt agtagatga tgcttgact ttcccatgca aaatattgct caccganatg 180
gaatcataac gtacagactt ttttatattt atccaaccct tcttgtgttag ttgccccctca 240
catagcaacg gtatgtttt aattgatcaa ta 272

<210> 47213
<211> 210
<212> DNA
<213> Glycine max

<223> Clone ID: 701038483H1

<400> 47213

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aacactcaaa tctcgttcc acctaaacga ctgcgttttgcgtcttttc cttcttctg 120
attttagttt cagagggaaa aggagcagcg atggactcac gcacgtataa tcctcgacc 180
gtcgaagagg ttttaggga ttcaagggc 210

0
<210> 47214
<211> 149
<212> DNA
<213> Glycine max

<223> Clone ID: 701038434H1

<400> 47214

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tcttctcaact ttcaattctc ctaatggttc tcttcacttc atctcaaacc accccagcac 120
catcaccccttc ctcaacccca acagacatc 149

<210> 47215
<211> 148
<212> DNA
<213> Glycine max

<223> Clone ID: 701038435H1

<400> 47215

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caccactcac tcactcaactc cactccctca caattcacaa tcctcacgtt gcaccattca 120
catgaagctc ctctcgcgct ccgtgttt 148

<210> 47216
<211> 193

<212> DNA
<213> Glycine max

<223> unsure at all n locations
<223> Clone ID: 701038436H1

<400> 47216

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ggctaagggt cncggtctct actctgacat cgccaagaca gccaggatc tgctgttcaa 120
ggactaccac agtgaccaga agttcaccat caccacctac tcacccactg gagttgctat 180
aacagcatca gga 193

<210> 47217
<211> 203
<212> DNA
<213> Glycine max

<223> Clone ID: 701038437H1

<400> 47217

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tcgcttcgga ttctcaatct catctccgat ctcaaaatgc ccgctgttta tggagctccg 120
cttgaccacc ttcaagact ccgagaagga gagtgaatac ggtagtgc gcaaggttc 180
aggaccgtc gtcgttgcgg atg 203

<210> 47218
<211> 250
<212> DNA
<213> Glycine max

<223> Clone ID: 701038438H1

<400> 47218

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ctctctgctt tcctggctct ttcaagat gttgaacaag ttgtggacat aagtggcaac 120
cccatttcc caggtggcac atattacatt atgccatcaa cttggggcgc tgccgggt 180
ggattgaaac taggccccac aggaaactca aactgcccag ttactgttt gcaagattac 240
tcagaaatct 250

<210> 47219
<211> 198
<212> DNA
<213> Glycine max

<223> Clone ID: 701038439H1

<400> 47219

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tgatgcagca ggcatgtatt caggagccag ggcaggtgg ttctctcaca tggccaatgc 120
tgcggcaatt gcagctgcct ttgggggagg tttgcctcct ggcataactg gaacaaatga 180
aaggtgtaca cttcttgt 198

□
<210> 47220
<211> 245
<212> DNA
<213> Glycine max

<223> Clone ID: 701038441H1

<400> 47220

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cctcttagga agtatgttag gtactacagg gcattcgtgc tggagctcaa caaagccctc 120
gctgtggacc ccaggatcga gatttgcattt ctccccgttg gtgatggaat cactatctgc 180
cgtcggatca agtgatttct gatcatcata atcgtggacc accgttgctt cttctgcaca 240
cccta 245

<210> 47221
<211> 112
<212> DNA
<213> Glycine max

<223> Clone ID: 701038442H1

<400> 47221

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ttcgctccctc agcaacttcct tccgccacct tgtcccctcc gatcgccgtc tc 112

<210> 47222

<211> 238
<212> DNA
<213> Glycine max

<223> Clone ID: 701038445H1

<400> 47222

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gtgattacaa tgaaaacatg aatggatctc ttcttgcgt gccttacaac aacaataaca 120
ttttgggtgt tggtggagtt ggtctcaatg gaggcttcaa caaaggaatt tactccaagc 180
ctgggtttgc caatcttaac aacaatatta acctgaatat caatcctaag ggacacaa 238

<210> 47223
<211> 238
<212> DNA
<213> Glycine max

<223> Clone ID: 701038446H1

<400> 47223

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cagaagcaaa tccgaaaacc cctcatataa tagtactggt attcagctgt tcatgacaaa 120
agcctgaacc gatcatgtca gaaggtgcag aaattgatga gcgtgtggac cttgacgagg 180
aaaattatat ggaagagatg gatgatgatg ttgaagaaca aatagatgat gatggagt 238

<210> 47224
<211> 184
<212> DNA
<213> Glycine max

<223> Clone ID: 701038447H1

<400> 47224

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atggcgcttg gatcctcggg tcgcggcaac tctgcctcga aaggcttcga tttcgcttcc 120
gatgacatcc tctgctccta cgacgactac gccaaccgcg attccagttc caacggcaat 180
caca 184

<210> 47225

<211> 228
<212> DNA
<213> Glycine max

<223> Clone ID: 701038448H1

<400> 47225

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aaacccgaat ccggaccgg ttgtatccg ccaggttgg gcttcaaata tcgaatccga 120
attccaactc atccgcgaac tcatcgacca ctatccttt atctcgatgg acacagaatt 180
ccccgggttt gtttccgac cacacctgga ccccacaaaa ccctacaa 228

<210> 47226
<211> 190
<212> DNA
<213> Glyciné max

<223> Clone ID: 701038450H1

<400> 47226

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catggcactc tcttctcg 60
tctttccaa atccacattt atctatggct gtcaaataact 120
tctgcaaaag gagcatgcta ttccagttcg tcactttgct aaagagtctg cccctcctgc 180
ccttaaggaa 190

<210> 47227
<211> 128
<212> DNA
<213> Glycine max

<223> Clone ID: 701038451H1

<400> 47227

ggataacgaa tatgctttt atactgtAAC actcttcagt cgtgttgcgg ataatttttag 60
aactagtgcA cgtaaaaag gttccaaat tcgtacttt gaatacagtc cagaaacaca 120
tgagaacc 128

<210> 47228
<211> 244
<212> DNA

<213> Glycine max

<223> Clone ID: 701038452H1

<400> 47228

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gccaaaccag atgaagactg gtcatgaaag tagttctaat cttatcagac atggtagctc 120
acctgctgga ttgtttcaa acattaacat tgatattact ggctatgctg ctgttgtaag 180
ggccatggga actatggag ctgctgctaa taacaccagg gaggaagcaa acttttcacc 240
agca 244

<210> 47229

<211> 186

<212> DNA

<213> Glycine max

<223> Clone ID: 701038455H1

<400> 47229

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cccttgggg tctgtctctt tgtttcttg gcttgacaag aagaagatga tgatgatgac 120
aatgggggg atgatggaca aggggggttt ggatgatgtg ataagaaggc ttctggaagg 180
gaaagg 186

<210> 47230

<211> 241

<212> DNA

<213> Glycine max

<223> Clone ID: 701038457H1

<400> 47230

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tcacccgacc agcatggta agaataaggt ccccgattgg ctcaacagct ctatatggtc 120
ctcatcatcg ccgtcgccc ctccctccctc cgccgtcgcc agcccttcg aacagccacc 180
gcgtccctcg tctcccgccg tcgtgacccc ctttgAACCA ccgcctccgc gtcctccgtc 240
g 241

<210> 47231
<211> 239
<212> DNA
<213> Glycine max

<223> Clone ID: 701038458H1

<400> 47231

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tattcattgt ggaataaaatt tccgttccat ttggagcaga gttaagcata taatttgtta 120
tacaaggttct ttgaataaga gtctgagtgt atcacctcta agctacgatc ttcatgactc 180
atatgagggtt gcttctatTT atttggtgGC cattttcaa gtgttgttct tactaagtt 239

<210> 47232
<211> 135
<212> DNA
<213> Glycine max

<223> Clone ID: 701038459H1

<400> 47232

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gcaactctaa cagatatacc actccttattg gcaatagcgg gggcaatggg agaagcgatt 120
ctcttatgaa ctcag 135

<210> 47233
<211> 124
<212> DNA
<213> Glycine max

<223> Clone ID: 701038461H1

<400> 47233

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ttggcaatta aaatgggccA aggaactttc ccaatcaaAT ctcgatcagt ggacgaaggG 120
gaac 124

<210> 47234
<211> 204
<212> DNA

<213> Glycine max
<223> Clone ID: 701038463H1
<400> 47234

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taaagatcca ttatttctgc aatttcaata tatgggtctt cattaattca ctaagattct 120
gcataaatca tcgtttccat tgaagttct gttccgatgg agttaatttc gggattgcca 180
gaggatgttg cccgagactg ttta 204

<210> 47235
<211> 83
<212> DNA
<213> Glycine max
<223> Clone ID: 701038464H1
<400> 47235

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gagattctcg catgaacatg cag 83

<210> 47236
<211> 186
<212> DNA
<213> Glycine max
<223> Clone ID: 701038466H1
<400> 47236

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agggtgggtc ttactgggtc tccaaagg ccagcaagga atttaactct gtcggcgatg 120
atatcaactc actgtcaacc agtattgaag gggaaaccaa atggttggtc aacaagttaa 180
aaggaa 186

<210> 47237
<211> 189
<212> DNA
<213> Glycine max
<223> Clone ID: 701038467H1

<400> 47237

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atgcgcgtgc aagctgatca agctgaagtt tctggtggtg tgcaaggttc tgtggtcct 120
ggttttctct caaatcccct gatggaagct ccttcaacta tgccatcaca ggataaatca 180
tatgctgct 189

<210> 47238

<211> 78

<212> DNA

<213> Glycine max

<223> Clone ID: 701038470H1

<400> 47238

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gctgaaggcat ctcggata 78

<210> 47239

<211> 134

<212> DNA

<213> Glycine max

<223> Clone ID: 701038432H1

<400> 47239

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agagcttaag gcactaactt ctttagaaac tgaatagcca atttcagtga tctccaattt 120
tgtaaaatgt ggat 134

<210> 47240

<211> 244

<212> DNA

<213> Glycine max

<223> Clone ID: 701038471H1

<400> 47240

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cgttctccgc ggaaccatgc gcgccccacac cgacgtcgtg acggcgattt ccactcccat 120

cgacaactcc gacatgatcg tgacggcgtc gcgcgacaaa tccatcattc tctggcacct 180
caccaaggag gacaagacct acggtgtccc ccgcccgcgc ctcaccggac attctcaactt 240
cgtc 244

<210> 47241
<211> 134
<212> DNA
<213> Glycine max

<223> Clone ID: 701038472H1

<400> 47241

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cgtggcgccgc cttaacgcgc tgagtccatg aagcttgacg ttcaagggtt tggctaagga 120
agcgagagtc gcgg 134

<210> 47242
<211> 237
<212> DNA
<213> Glycine max

<223> Clone ID: 701038473H1

<400> 47242

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tcattctgtt gcagaacagg cagggcaaga cccgtttgc caaatactac gttcctctcg 120
aggattccga gaagcacaag gtggaataacg agttcacccg cctcgctgta aacagagacc 180
ctaaatacac aaatttcgtc gagtttcgtt cgccacaagat aatatacagg cgatatg 237

<210> 47243
<211> 236
<212> DNA
<213> Glycine max

<223> Clone ID: 701038474H1

<400> 47243

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ttcggatctt caatctcatc tccgatctca aaatgcccgc tgtttatgga gctcgcttga 120

ccaccttcga agactccgag aaggagagtg aatacggtta cgttcgcaag gtttcaggac 180

cggtcgatggc atggctggt ctgctatgta tgaactcgtg cgtgtt 236

<210> 47244

<211> 61

<212> DNA

<213> Glycine max

<223> Clone ID: 701038476H1

<400> 47244

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t 61

<210> 47245

<211> 190

<212> DNA

<213> Glycine max

<223> Clone ID: 701038477H1

<400> 47245

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gaacgattat ttggtttaat tttctgctg gagctttttt aagacggttt ggcgttttaa 120

cgcgggtgcg gtagaaccct tccactgtgg tgactctgcg atggatctga tgcctgaact 60

aaacaggag aaagaacatc atctttcgca taacttgaac tagcatggat 180

gtttgctact 190

<210> 47246

<211> 183

<212> DNA

<213> Glycine max

<223> Clone ID: 701038481H1

<400> 47246

gtaattaaca taaaacacaga atccaagagg tattcaact ggaattccat ggcgacgagt 60

gggtcagaga caaagcaagt gatggtgatt ggaatcgacg acagtgtttt cagcacgtac 120

gctctccaat ggactctgga tcacttgcta tcccctgcaa atgttcttaa gttcaagatt 180

ttt 183

0022E00 * EETTESS0

<210> 47247
<211> 159
<212> DNA
<213> Glycine max

<223> Clone ID: 701038482H1

<400> 47247

cgacagtcaa agagttctt cctctaattc gagtgataaa ggatggcagc gtggagcgtc 60
ttctaaagctc tgaaaacgtg gcagccccc ctgaagatcc ccaaactgga gtctcatcca 120
aagacatagt catcgagac aaccctacg tctccgctc 159

<210> 47248
<211> 136
<212> DNA
<213> Glycine max

<223> Clone ID: 701038383H1

<400> 47248

tgtcacactc ctgaacccgc gccacgtggc agtgatcgcc gcgggcacct cggcctagtg 60
gcggctcggg aagtccggcg agaaggcat cgctggtgg tttcgagaa aacggcacca 120
gtgggtggca tgttgg 136

<210> 47249
<211> 134
<212> DNA
<213> Glycine max

<223> Clone ID: 701038385H1

<400> 47249

ggtcctagat tcatttaat cgtaattctg cacttcttga tcattcgatt tttctcctca 60
agatgcagat attcgtaaaa actttgaccg gcaagaccat cacccttgag gtggaatcct 120
ccgacaccat tgac 134

<210> 47250
<211> 100
<212> DNA
<213> Glycine max

<223> Clone ID: 701038386H1

<400> 47250

cggacaatta ttaaattcca aaattcaatt ttatataacc aacctttttt aaggaaaatt 60
cagttaaattc caaaatgtgg acaatcatcc acaaggtaa 100

<210> 47251

<211> 132

<212> DNA

<213> Glycine max

<223> Clone ID: 701038387H1

<400> 47251

gcggttttta gcatatatgg atactgggaa atgtaccttc ttgggtttca tttgggaaac 60
tatcttatct tcggaagcca ttcctctgga tttagaagta gcagatgggt accgatgaag 120
gtttgggttc tc 132

<210> 47252

<211> 102

<212> DNA

<213> Glycine max

<223> Clone ID: 701038389H1

<400> 47252

gttagctta ggcgttgacc ttaggtggaa gataagtctg ctagattcat cttcgatt 60
aaggacttct ctttgaaggc tgtgatctta tgagccctga ca 102

<210> 47253

<211> 131

<212> DNA

<213> Glycine max

<223> Clone ID: 701038391H1

<400> 47253

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ggccagcggaa agatgccgt gatggccctc ggcaccgcgc cggaagcaac cagcgcgggt 120
accacaaaaag a 131

<210> 47254
<211> 127
<212> DNA
<213> Glycine max

<223> Clone ID: 701038393H1

<400> 47254

ctttgctgaa aataacaagt ctgaagagaa ggttaatgaa gcagtggaaag atgtacgaca 60
tgagctgcaa gacactggag agcgtggttc aaagagatta aggagtagtg accaggaagc 120
tctgaag 127

<210> 47255
<211> 104
<212> DNA
<213> Glycine max

<223> Clone ID: 701038395H1

<400> 47255

ctgaaatctg tgggggggtt ggcattcttg gcattgcattg ggacttttgtt ggcattgtatct 60
tcatccttgtt ctactgcact gctggatct cagggggtca catt 104

<210> 47256
<211> 227
<212> DNA
<213> Glycine max

<223> Clone ID: 701038401H1

<400> 47256

caaacaacc aaggacgaga acacgtgtt gcttgaactt gcacttggtt tattggtttt 60
ggctctgttt ctgcacttgc gtcccacacc cactgcaaac cccaaaggcac ttgcgccatct 120
cccaaaccac ccaagcccaa agcctcgatct tcccttcata ggacacccatc atctctaaa 180
agacaaactt ctccactacg cactcatcgc cctctccaaa aaacatg 227

<210> 47257
<211> 160
<212> DNA
<213> Glycine max

<223> Clone ID: 701038403H1

<400> 47257

gagctcattt ttttcattaa cctaataaaa cacgatgagc acttctcaac aacgttatct 60
cctcttcgct ttcacaacgt taatagttgt cttagcttc aacacttcac cagtctcagc 120
tcgtttattc cccaacgtgt cttccatccc aacctggaat 160

<210> 47258

<211> 258

<212> DNA

<213> Glycine max

<223> Clone ID: 701038404H1

<400> 47258

ataagcaaac tggtcagtct gagggatatg gattcgtgga gttctattca cgagcgacgg 60
ctgagaaagt cttgcagaac tataatggca cgatgatgcc caatacagat caggcattcc 120
gtctgaattt ggccacatta cgctgcgggg gaaaggcggtt ctccgatgc tacttctgat 180
ctctctatat ttgtggggta cttggccatt gatgttactg atgctatgct gcaagacact 240
tttgctggcc gatattcg 258

<210> 47259

<211> 256

<212> DNA

<213> Glycine max

<223> Clone ID: 701038405H1

<400> 47259

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atgggtggtg ggtgcaagtg cttggtatcg ttgggtttgg ctgggtgtt gatgaggagt 120
ttggcggacg cgcaatcggtt caccagcacc acttgcggcc aggagctaat tccatgtgt 180
aactttctga atggacaac caccccacca agctttgtt gtgaccctct caaacaaacc 240
gtggaaaaacc aactgg 256

<210> 47260

<211> 254

<212> DNA

<213> Glycine max

<223> Clone ID: 701038406H1

<400> 47260

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attaagattt cgttttgtgt gatgtgtgtg ttggggttgg tgatcggtgg tgatgttgcc 120
tacgctcaag attcagcaga agactacgtg aatgcacaca atgcagcacg agcagaggtg 180
ggttctcaat caccaagaca aacagtgatt gttccaagtt tggcttggga tgatacggtt 240
gctgcttatg caga 254

<210> 47261

<211> 255

<212> DNA

<213> Glycine max

<223> Clone ID: 701038407H1

<400> 47261

gaaaccagat tagaggagta gtttgtttg cgattgacga cgacgataac gacaacgacg 60
aagcatcatg tcttcggcg gcggcggagg cggagcaaag ccgttcttct gccacgtgtg 120
cagtcagagg atcacgtgct ccgatgagtc ggaacccttc tgcccgatct gtatggaaag 180
tttcgtagaa gaatgcaacc ctaacaaccc taaccctaattt ctgtttccccg agaatgagga 240
atcttctgat tccga 255

<210> 47262

<211> 148

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<223> Clone ID: 701038409H1

<400> 47262

ggctaattctg tgcgtatcag gttttgtcc tttcaatttt ctgtttattt cattcattcc 60
gctgctgagg tcaagccnat cacactgggc gcccaatttt ccatggaaa ctgcttctcc 120
gaagtgcggc caggcgccg cccatcg 148

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<210> 47263
<211> 179
<212> DNA
<213> Glycine max

<223> Clone ID: 701038412H1

<400> 47263

tcagccaaca gtggatcaag gtacaatgag agctgcgagc tcttgctcct gtagaggctt 60
aatataaggat aggtttcaaa ataagaggggt tttgtggcat cttgggttt gcattgagct 120
ttgatcta at ttcttgaa caatgttcat ttccaaatga gtttactttt ttgggttaaa 179

<210> 47264
<211> 186
<212> DNA
<213> Glycine max

<223> Clone ID: 701038413H1

<400> 47264

aaacataatt aacatgtctt caagttccgg tactagtgcc acgccttacc ccatcaaaaac 60
gattgtcgtt ttgttcaag aaaaccgttc cttgaccac atgttggat ggatgaagtc 120
cctcaacccg gaaattgacg gggtcaccgg ttggagtca aaccaggttt ccacattagc 180
tccaaa 186

<210> 47265
<211> 231
<212> DNA
<213> Glycine max

<223> Clone ID: 701038416H1

<400> 47265

tcagcaacaa gggtcagatc caacaaagca atcacccgca accggtttc cggtgagcta 60
tagcaattca acaacgtatt cgaccaacga ggcttcctac gtcgcgtcc cacccccc 120
gccccaaacct cttgtcgatt ggtccaccgg cctctgtgac tgcttctccg aatgtggaaa 180
ctgttgcattt acgtgttgtt gtccatgtgt tacctttggc cgagttgcag a 231

<210> 47266
<211> 191

<212> DNA
<213> Glycine max

<223> Clone ID: 701038418H1

<400> 47266

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taattttcat gtctgcattt gcaagtgcattt gtgccgtcga accgtgccac tagacccaaa 120
agtgttttg ttgttgccac catgtgtgtg caagatggtg aacaagctgg tgaagatcat 180
atagagaaga c 191

<210> 47267
<211> 224
<212> DNA
<213> Glycine max

<223> Clone ID: 701038420H1

<400> 47267

aaccctttga gagttagaat ggctgctgct acggaaatcc ccacaatagt gttccaaac 60
tcctctgccc aacagaggat gccagtggtt ggaatggat ctgcccctga cttcacatgc 120
aagacagaca caaaggaggc tatcatttag gccgtgaaac agggttacag acacttcgac 180
actgctgctg cttaacgctc tgaacaggct ctcggtaag ctct 224

<210> 47268
<211> 194
<212> DNA
<213> Glycine max

<223> Clone ID: 701038421H1

<400> 47268

gctcgaggta tagaggcaag agaaatcata agagagacag aaccataacct tggtggcagc 60
attgacggaa aggataatgg acctgaactt ggtatttggg aattggatct aagatctcag 120
ttccctgttc tatttgaacc ctacaaagaa gtgcgggaca agattccccca ttctgaagtt 180
attgaaaagt gcac 194

<210> 47269
<211> 258

<212> DNA
<213> Glycine max

<223> Clone ID: 701038422H1

<400> 47269

cttggtgcaa agcatcctcc gttcaattt ctctctctca gcgccttctg caatcgaacc 60
tttcatctcc aaaggatcc acaggccgaa ggagaaatgg ggctgacatt cacaagctt 120
ttcagtcggc tttcgcaa gaagggaaatg cgaattctga tggttggct ttagtgcgt 180
ggtaagacca ctatcctgta caagctcaag ctcggagaga tcgttaccac aattcctacc 240
atcgggttca atgttgag 258

<210> 47270
<211> 130
<212> DNA
<213> Glycine max

<223> Clone ID: 701038382H1

<400> 47270

agatcgagcg aatcggtcg aggctaacct cgctgttgt aatagacgtg ctgaatcaat 60
agctctcggt ttccgtaa actagtcgtt catccccaaa tggttgtt ggcttgg 120
ctgccccctt 130

<210> 47271
<211> 255
<212> DNA
<213> Glycine max

<223> Clone ID: 701038423H1

<400> 47271

gaggaggagg agaagaggaa gcaactctgg agttcacacc ctctcactcc ctcactttc 60
tttccttag atctcatcta atccaccacc cctcgccctc gcctttgtt ttgttttca 120
cttttcaga acaaggatacc tttattatct ttgaaagcac ttcaccatct tcacatctt 180
atttttgtcc tcgctgtcgt acacgtctcc tttccttac tcaccgttgt ctccggaggc 240
gccagaatac gtcat 255

DNA

<210> 47272
<211> 185
<212> DNA
<213> Glycine max

<223> Clone ID: 701038424H1

<400> 47272

cagaatcctg gtctctgtct actcttcaat tattcccaac ctctcacctc ttcatcttct 60
tcttccttac ctttgaccag acacagagca gcactcacat tcacaacgaa ggtttcstat 120
tcatcagaca tggtaaggc aatcagagtt cacgaactcg gtggccctca agttctgaag 180
tggga 185

<210> 47273
<211> 185
<212> DNA
<213> Glycine max

<223> Clone ID: 701038425H1

<400> 47273

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tgagatatgt actccattca ctttatata aacacgatgc ctgtatgatt tattcttgg 120
tggtatattt tcaccatcta tgactctgtt gatgccctac tactactggg aggaaccacg 180
agtga 185

<210> 47274
<211> 249
<212> DNA
<213> Glycine max

<223> Clone ID: 701038426H1

<400> 47274

cgcagagaaa tgagaattgg gcattggctc agtccttctg aggtaggtgg cgctgcca 60
cgcagaacct ccggcagaaa ttgccaccgc aaacacgtgg aagacggta gtagtactcc 120
ataccccatc ctctcatatt cccttacta attaaagatc atgaacagcg agagacagtc 180
gacgacgacg acgttgctgc acggcaagta cgagctaggt cgtgtgctgg gggcaggaag 240
cttcgcca 249

<210> 47275
<211> 192
<212> DNA
<213> Glycine max

<223> Clone ID: 701038428H1

<400> 47275

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gccaccgggtt gacttggaaac ttgcggtctc gcattcgaa tcccaggacg tcgatttgag 120
gaaattcgac atccgttcgg ctctcaacga ggtgtttgga caatttagggt ttggggcggt 180
tgacggagga gg 192

<210> 47276
<211> 248
<212> DNA
<213> Glycine max

<223> Clone ID: 701038429H1

<400> 47276

ccaaggtgct gtgaaggata ttgctgttc ggttaactgg cttaaagcaa atggctcaa 60
gaaggctgggt gtaactggat tttgtatggg aggtgctctc tctattgcca gttctgtctt 120
ggttcaagag gttgacgctt ctgttagcatt ctatggagtt cctgcttctc aacttgctga 180
ccctgcacaa gccaatgctc ctgatgatgc tcattttgga gagctggaca cttttgttgg 240
cttttcag 248

<210> 47277
<211> 142
<212> DNA
<213> Glycine max

<223> Clone ID: 701038431H1

<400> 47277

aacagcagac aagaaaaatg gagattgagg acacatcaag tagagtatct attgcatttc 60
ctcttggctt agctcttctt gttgcctgtg tgcgagttct catgttgctt ctattgttgc 120
tgcatgcact gggaaaaact cc 142

<210> 47278
<211> 151
<212> DNA
<213> Glycine max

<223> Clone ID: 701038317H1

<400> 47278

tgaactcttt ttccttcaag tcactaagat aatggcaagc atttatgaca ttccatcaca 60
cataaaaagct cgggtctatt atgaatatgg aaacatagaa gagcttctca aatttgaatc 120
taacataaccc ataccagaca tcaaggaaga c 151

<210> 47279
<211> 158
<212> DNA
<213> Glycine max

<223> Clone ID: 701038318H1

<400> 47279

ttcggctcga tggcatcact accccaaatg tctaccacat taggagcttgcatgagctca 60
aacaagacta tcaacccacg accatgcatt gcccaattaa acaacaacaa caacaacaag 120
aggagtactc ct当地cagcaa tt当地attgtc aatcacca 158

<210> 47280
<211> 144
<212> DNA
<213> Glycine max

<223> Clone ID: 701038319H1

<400> 47280

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cttattgcca ct当地gggaac gtttaggtgca gcaattaagc ttctagaacg tggtgggtg 120
catgttgtgg agtgtgcttg tgtg 144

<210> 47281
<211> 143
<212> DNA
<213> Glycine max

<223> Clone ID: 701038321H1

<400> 47281

ctttaagga attggttatg ctgcgttac ggaggcacga gctatttgc aaaggcaat 60
taaccaagcc gtgcaagggt atcctattat ttggtcccc tggaaacaggt aagacaatgc 120
ttgcaaaggc agttgctacc gaa 143

<210> 47282

<211> 129

<212> DNA

<213> Glycine max

<223> Clone ID: 701038322H1

<400> 47282

ctacacttgt tcctcaccag gagactcttg agtcaaagggt tactgagtct aaggccatgg 60
ttaaatttca acttaagaca gtgctctgca tgggagtagc tgtggcaat gttagtatgg 120
aggaaaagc 129

<210> 47283

<211> 140

<212> DNA

<213> Glycine max

<223> Clone ID: 701038326H1

<400> 47283

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tgaagaacac cctgtacttc ttaccgaggc acccctcaat cccaaggcca acagagagaa 120
gatgaccagg attatgtctg 140

<210> 47284

<211> 138

<212> DNA

<213> Glycine max

<223> Clone ID: 701038328H1

<400> 47284

gaaattacca gttactatac tctcttttc tgaaacaatt tgcccaattt tttgagatgt 60

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tcaatatgag atctgtatct caagattggg tggtttcatg tgcaactaata cttctggtgt 120
catgcacaac atactcat 138

<210> 47285
<211> 140
<212> DNA
<213> Glycine max

<223> Clone ID: 701038330H1

<400> 47285

ccttaagctt cctaagaatc ttttgccaaa ggtttccacc atcaagaata cagagcaggt 60
tttggagcag ttgcctgggg tgatatcatc tcttgacgca cacatggaaa atgggttgca 120
aaatgttcca catctagaga 140

<210> 47286
<211> 139
<212> DNA
<213> Glycine max

<223> Clone ID: 701038332H1

<400> 47286

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agctttgga gtggcatcta tgcccgtat caaatgtacta atactcaactg cagttggcat 120
gcttcttgca ctggataac 139

<210> 47287
<211> 149
<212> DNA
<213> Glycine max

<223> Clone ID: 701038333H1

<400> 47287

gcataatcg tgcacgcagat gcaaacatcg aaggagaacg cgatgcattt ttccctttt 60
gttcttcccc ttcccaatct tcaactttag gttccctta atctcggtat tcctcttcac 120
tcccaagctc cgttcactcc aacaacact 149

<210> 47288
<211> 147
<212> DNA
<213> Glycine max

<223> Clone ID: 701038334H1

<400> 47288

ccggcgaacg aaatcggtga cagacaagca acaagcaatc tcgatccc ca aatcgtgaaa 60
tccgatgacg accgctgcaa gacccacatg ggcacctgct aaagggtggca acgaacaagg 120
tggtaactcga attttcggtc cctcaca 147

<210> 47289
<211> 141
<212> DNA
<213> Glycine max

<223> Clone ID: 701038336H1

<400> 47289

attgattatt agtggtaag gttgttgag gagctcta ac aagagatatg gagacacaaa 60
attggttcga gagattgaag ctttcgcag ctgtggtatac aatacagttt ggatatgcag 120
ctatggatgt tctatccaag g 141

<210> 47290
<211> 136
<212> DNA
<213> Glycine max

<223> Clone ID: 701038339H1

<400> 47290

ggcatttcaa tccccagttt cttttcaac gtcctttac gagcagatcc caatttcct 60
tcccagtttcaaaagcctaattcccttattccatggcctc agaagagccc agtgtcgccg 120
tgggaccggg tccccga 136

<210> 47291
<211> 131
<212> DNA
<213> Glycine max

<223> Clone ID: 701038342H1

0
9
8
7
6
5
4
3
2
1
0

<400> 47291

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gtgttcaatc tggctaaagg gcagcctctg gtccctgcatt tgttcatatt tggggactct 120
gctggtgatg t 131

<210> 47292

<211> 135

<212> DNA

<213> Glycine max

<223> Clone ID: 701038343H1

<400> 47292

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cttgtattgg ctctcaaat ccatgttcc tctggaaac tagtccctgg actatcatgg 120
aattactatt tggtg 135

<210> 47293

<211> 139

<212> DNA

<213> Glycine max

<223> Clone ID: 701038344H1

<400> 47293

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agcagagaca ttgcctagag gtctccactg tcttccgttg cgccttacaa ctgagtatta 120
tagcttgagt acttctcag 139

<210> 47294

<211> 140

<212> DNA

<213> Glycine max

<223> Clone ID: 701038345H1

<400> 47294

caaaaggcag gtgattgtat ggggcttgcc aaaaagtgac agacagaggt aaagcagcta 60
tagaaatgga acacaagaca agtctccaag catcctaaag tatgtatggag tggatttttg 120

ttgaaggata tgattagaga

140

<210> 47295
<211> 142
<212> DNA
<213> Glycine max

<223> Clone ID: 701038347H1

<400> 47295

aattaatcaa acatggctag ggtagtgct ttgttcact cttgcttctt gatttcttcc 60
cttgttattgg ctctcaaat ccatgttcc tctggaaac tagtccctgg actatcatgg 120
aattactatt tggtgacatg tc 142

<210> 47296
<211> 141
<212> DNA
<213> Glycine max

<223> Clone ID: 701038348H1

<400> 47296

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cgtgttggag atcgtgatga cttcgggtt ggtgtacaca gtctacgcca ctgccgttga 120
ctccaagaac ggcaatttgg g 141

<210> 47297
<211> 144
<212> DNA
<213> Glycine max

<223> Clone ID: 701038349H1

<400> 47297

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caagacgtgg aatgcctcgta taacacggta gagcgacaat cggaaccatc atcatcgta 120
tcatcatcat catcatcgta atcg 144

<210> 47298
<211> 142

<212> DNA
<213> Glycine max

<223> Clone ID: 701038350H1

<400> 47298

ctcgagccga tcacatttgtt ctttcctgtg tatcagagga aagccatggg gatctcaata 60
caggaatagc ttagtgtatg tactgctgtt gttgcattc tgtgaaatgc aaatcattga 120
cggaaaagac actctaacct gc 142

<210> 47299
<211> 141
<212> DNA
<213> Glycine max

<223> Clone ID: 701038351H1

<400> 47299

gcattccgca aaatggctgc caccaccta gtctctgaag tcactctccc ctccctcc 60
ggccagcggaa agatgccgct gatgggcctc ggccacgcgc cggaagcaac cagcgcggtt 120
accacaaaag atgctgttct t 141

<210> 47300
<211> 117
<212> DNA
<213> Glycine max

<223> Clone ID: 701038353H1

<400> 47300

cgagcggcat cgagcggctc gagtccagcg ctgtttctt gctacgttgc ttccaccatgt 60
caactgctgg gaacatcacc actgaaatcg gggatcatgc aaccgctaca aagtgg 117

<210> 47301
<211> 134
<212> DNA
<213> Glycine max

<223> Clone ID: 701038354H1

<400> 47301

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<210> 47302

<211> 147

<212> DNA

<213> Glycine max

<223> Clone ID: 701038315H1

<400> 47302

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tcttcactct tggcttgcg agagaaagcc atgccagaga cgaagatccc tggcatgctg 120

tttggcaaacc actcccatcc caagttc 147

<210> 47303

<211> 99

<212> DNA

<213> Glycine max

<223> Clone ID: 701038355H1

<400> 47303

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agaagatttag gatcgccatc aacggatttg gaaggatttg 99

<210> 47304

<211> 135

<212> DNA

<213> Glycine max

<223> Clone ID: 701038357H1

<400> 47304

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tcttcctttt cagatctccg ctggagaatc ctcggagaag gagttcgatc tcacattgga 120

tcactctaacc ttca 135

<210> 47305

<211> 136

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<212> DNA
<213> Glycine max

<223> Clone ID: 701038359H1

<400> 47305

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ggataattcc agaacctgaa gtcaatatttgc tgcgatcgaga aaaaaatgtat cagtgtctta 120
ttcttagcaag tgatgg 136

<210> 47306
<211> 136
<212> DNA
<213> Glycine max

<223> Clone ID: 701038360H1

<400> 47306

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tttcgatggg gaatgtatgca gggtcaccgc caggtccggc tacgtgtggg tcgtggattc 120
ggaggccccga gaattt 136

<210> 47307
<211> 138
<212> DNA
<213> Glycine max

<223> Clone ID: 701038361H1

<400> 47307

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tctttcatca tttcattatt taataacaat tattattctc aatggcaag actccttct 120
cctttcgatcg ctccgcct 138

<210> 47308
<211> 134
<212> DNA
<213> Glycine max

<223> Clone ID: 701038362H1

<400> 47308

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tctttctt ttcctttgt ccattatgaa tggctaattgt catcgagct agagatatga 120
aggtagacct gcga 134

<210> 47309
<211> 139
<212> DNA
<213> Glycine max

<223> Clone ID: 701038366H1

<400> 47309

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gcggcggcag ccgcaggggc agcgcaccga agaagagaac gttcaagaaa ttcagcttca 120
ggggcgtgga tctggacgc 139

<210> 47310
<211> 138
<212> DNA
<213> Glycine max

<223> Clone ID: 701038367H1

<400> 47310

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tgttagaaaa gggctgcat ctatgttcc caataaaaaga caaaaaagag aagcaaattc 120
cttcttcctt aatttact 138

<210> 47311
<211> 130
<212> DNA
<213> Glycine max

<223> Clone ID: 701038368H1

<400> 47311

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cccaacgaat catcctccct ccatgcttca gcatgtgtgg cggggatag cgctgcttat 120
caaaggacat 130

47312
135
DNA
Glycine max

Clone ID: 701038370H1

47312

cgaatatgag cagcagtgc gggaaagg tttgtgtcac cggtgctgcc ggttatattg 60
cttcatggat tgtcaagttt ctacttgaac gtggttacac tgtcaggcc actgttcgaa 120
acccaaatga tcaca 135

47313
136
DNA
Glycine max

unsure at all n locations

Clone ID: 701038371H1

47313

cccagtgc ca gtgtttaacg gtggagaaaa tgaataccan agggaaatca tccctcctaa 60
cgccgtgttt ggagatccaa agggcatccc catccagcaa accatttaca gggacactcc 120
tgctcccttc aactgc 136

47314
136
DNA
Glycine max

Clone ID: 701038372H1

47314

gtttcaagag cgtagtttggataatagg gcaggaaaga ataagaggta tgtacaaaga 60
tagagagcga gtttgtgttt ctgtttccgc ttccaaatcg gaggatcgaa agcgaatcaa 120
cgacgttctc gataag 136

47315
135
DNA

<213> Glycine max
<223> Clone ID: 701038374H1
<400> 47315

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tcccggtgact tctcttaatt taactcaatt cttggacctt tattttcatt tcagctcttt 120
catcgtagc gttag 135

<210> 47316
<211> 112
<212> DNA
<213> Glycine max

<223> Clone ID: 701038376H1
<400> 47316

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aagattgcac tgggggtctc cactggctta ctatgcgagt tacacgtgag ta 112

<210> 47317
<211> 133
<212> DNA
<213> Glycine max

<223> Clone ID: 701038377H1
<400> 47317

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cccgagagac agccaattgg gacggcggcg cagagccaag acgacggcaa ggactaccag 120
gagccggcgc cg 133

<210> 47318
<211> 131
<212> DNA
<213> Glycine max

<223> Clone ID: 701038378H1
<400> 47318

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gtaagacttc aaaacgggtct gaaagaaggc atgtgtcatc atatggacct gctggctcct 120
catcttcacg g 131

<210> 47319
<211> 137
<212> DNA
<213> Glycine max

<223> Clone ID: 701038379H1

<400> 47319

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tttttcttgt gcgtgtccag ttatttgcac gtgatagaat tagagagaaa gagacaaatt 120
gagttttgtg tttgatc 137

<210> 47320
<211> 169
<212> DNA
<213> Glycine max

<223> Clone ID: 701038276H1

<400> 47320

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agtgc当地 aagagacagt tgacatctt gagaaggatt ct当地gttga ggc当地gacc 120
acgtaatata agttgtgatt catttgcagt gtcacgttct agtctatgc 169

<210> 47321
<211> 276
<212> DNA
<213> Glycine max

<223> Clone ID: 701038277H1

<400> 47321

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accaactact ggtgggtgta agaagccccca cc当地ctc当地atc gtc当地tggta c当地ttgctc当地t 180
cgtgaaatta ggaaataccca gaagagtacc gagctttga tccggaagct ccccttccag 240

aggctggttc gtgaaattgc tcaggacttc aagact

276

<210> 47322
<211> 276
<212> DNA
<213> Glycine max

<223> Clone ID: 701038278H1

<400> 47322

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tatcctgccc ccatccacca cttctccat gccatcgccc tggctccctc caaccatgtc 120
ctctattcca accgatccgc cgcatacgcc tccctcaaaa actacgcaga tgcattagcg 180
gatgccaaaa agacagttga actcaagccc gactggtcca agggttacag ccgtctcggt 240
gccgcgcatac ttggccttcc ccaatacgat gatgct 276

<210> 47323
<211> 275
<212> DNA
<213> Glycine max

<223> Clone ID: 701038279H1

<400> 47323

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catattaacaa tattttccaa agtccaaagt caaacacatt caatgattca aatagcatcg 120
tgtgttcaact ctgttttagta gcatccaaaa tggcgcattc ttctgtataa gtcttcctct 180
gaactctcct tctcttcttt cctccgtcaa ttcgtgcctc caacgatgac gtggcgctgc 240
acgcgaagaa gctcatcaga gacctcaact tgttc 275

<210> 47324
<211> 279
<212> DNA
<213> Glycine max

<223> Clone ID: 701038280H1

<400> 47324

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ctctggcttc atcatcatct ctctatctgc acccctttg agaactcaa ctgttactt 180
aattactcta ctctccctt tctagcttct gtgttcttct tcttcggttc tctcttcatg 240
gggtgctgct taagtgccag gatcaaagct gagagccct 279

<210> 47325
<211> 281
<212> DNA
<213> Glycine max

<223> Clone ID: 701038281H1
<400> 47325

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tggctctcca acgaacgtgc gccatgtgc gcatgtcacc tttgataggt tcaatggttt 120
cttgggcttg cctgttgagt ttgaacctga ggtccccaga aggcctccta gtgctagtgc 180
atctgtttt ggagtttcaa cagaatccat gcagttgtcg tatgactcaa gaggaaacag 240
tgtgccaaca atactgctgt cgatgcaaag gcatctgtat g 281

<210> 47326
<211> 281
<212> DNA
<213> Glycine max

<223> Clone ID: 701038282H1
<400> 47326

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gaaaccattt catttcgag cgcgtcgctt tcgaatccaa tggccttcaa caacgcactg 120
agatctgccc cgaagtcgtc gcttctccg aatttcctt ctctaactca gtgagcagag 180
gttttcattt aactggcatg aagaggatgg gaggtggaca tggtcatgtat gagccctact 240
atttcatgc aaagcacatg tacaacttgg acaagatgaa g 281

<210> 47327
<211> 283
<212> DNA
<213> Glycine max

<223> Clone ID: 701038283H1

<400> 47327

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tcgatgtcat ccacttgcta gacatggtgt gtgagaaata tggagggcga gtggatatgg 120
cgaaaggcata ttacaaagct ctcactgctt ccgtgagaaa acattttaag ggcaacggcg 180
tcattgccag catggagcat tgcaacgatt tcatgttgct gggtaactgaa gcaatatccc 240
ttggtcgtgt tggggatgat ttctggtgca ctgaccctta tgg 283

<210> 47328

<211> 282

<212> DNA

<213> Glycine max

<223> Clone ID: 701038284H1

<400> 47328

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gttcatggtg cttatcatgc ccgacaatca ggacaaacat ctgcaacacc tatttcaagc 120
aaggaaaata atgtgaataa agctaataat gaatggaaat caccacagaa atcagagcct 180
gtaaatgatg agtttggaca gaggcaaaat aagccccgca gatactcgga gatgaatttt 240
ggcaatgaa gtattataga atgcaacttg ttgaataaa aa 282

<210> 47329

<211> 283

<212> DNA

<213> Glycine max

<223> Clone ID: 701038285H1

<400> 47329

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acggcaagga ctaccaggag cggcgccgg cgccgctgg tgacccgacg gagtttacgt 180
catggtcgtt ttacagagca gggatagcag agtttggc cactttctg tttctctaca 240
tcactgtctt aaccgttatg ggagtgcgg gggctaagtc taa 283

<210> 47330
<211> 282
<212> DNA
<213> Glycine max

<223> Clone ID: 701038286H1

<400> 47330

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acaacaacgt gagttaaaca aaaaacagta actccacgca gccatgacag acagggtgta 120
cccatccgcc aagcccggcg tggtaacgg cgccgcgc aacccatctt tcccgccgac 180
gaaggctcaa cttaacggcg ccacccgccc cacctaccgc cctcaacccc accaccggcg 240
ccggagccgg cgacggtgct gctgcacctt cttcttctgg ct 282

<210> 47331
<211> 282
<212> DNA
<213> Glycine max

<223> Clone ID: 701038287H1

<400> 47331

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ccagaagggt ggttttacgt ggagacattc cgagaccatt ccgtccagct ttgcacctct 120
cagctcccccc ccgaatacaa agtggatcgc cctgtatcga cctccatcta ttttctcggt 180
ccttctggga gtgtgtctcg cctccatcgc ataccctgcg ccgaaacctg gcatcattac 240
atcggcgacc ctctcaccgt agtggaaattg aatgagaaag at 282

<210> 47332
<211> 269
<212> DNA
<213> Glycine max

<223> Clone ID: 701038290H1

<400> 47332

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caggagagag ccatgtccat gcatcgctac ctgaggaaga ttattggaa gctgtttggc 120

caaacactcc cattccact gcactgcgag agttctaaa gcctccctt acagggttg 180
aaatcgatga actccctaag caaattgatg atacacagta cccaaaaaca ttcttctata 240
aagaagacct tcatccaggc aaaacaatg 269

<210> 47333
<211> 274
<212> DNA
<213> Glycine max

<223> Clone ID: 701038291H1

<400> 47333

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tcagtatctg atgagtctag tccagagaga tcaaaatggg tttatatatt ccagagagaa 120
tatgctaccg ttgaccccgcc ccttggat tttgtggca ccgatgaagc aacaacgtgt 180
gttggccttg ttattcgaa ccaaaagaat ggaatgacgt cagttgccca tatggattca 240
ccaaaaattt tagaaatggg cctctcccaa atgt 274

<210> 47334
<211> 271
<212> DNA
<213> Glycine max

<223> Clone ID: 701038292H1

<400> 47334

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cccttggttt tctgtctctt tggatattt gcttgacaag aagaagatga tgatgtgac 120
aatggagggg atgatggaca aggggggttt ggatgtgtg ataagaaggc ttctggagg 180
gaaaggaggg aaacaggtgc agctctctga gtccgagatc cgtcaactct gcgtcaacgc 240
cagacaaatc ttccctcttc agccaaattct t 271

<210> 47335
<211> 246
<212> DNA
<213> Glycine max

<223> Clone ID: 701038293H1

<400> 47335

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cggccattat gatctccagt ttctaatttt cttgccctac ttagatttc attacttgag 120
catgtatttt tcttgaaaaaa gaacagcggc ttgttactga agaacaattt gaatttttt 180
tccatgtata accaaatagc attgttactt atttgatttg ttaagtcaat tgaattaaaa 240
aataag 246

<210> 47336
<211> 273
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<223> Clone ID: 701038294H1

<400> 47336

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attctcacaa gaccgcgcgg cgaaccaaattt tgagctgaa aggggacgac atggtttatg 120
cgcagatcaa caaacccgat caagagagac ccccttacc cgtcgacgaa gattgcctg 180
ggatggcca gtactattgc cttaactgatc atcggtaattt tgccaatata actgtgaggg 240
atgagcactt taagaccana cgacacaaga agc 273

<210> 47337
<211> 274
<212> DNA
<213> Glycine max

<223> Clone ID: 701038295H1

<400> 47337

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ctggaaataa tctggctatg caagacttta tgataactacc agttggagcc acttcatttgc 120
ctgaggcatt ccgcatgggc agtgaagttt atcatgtattt atagggata atcaaggcaa 180
aatatggaca agatgcattt actgttggag atgaaggagg atttgctccc aatgttcaag 240
atatcaggga gggcttgatc ttactcatgg atgc 274

<210> 47338
<211> 280
<212> DNA
<213> Glycine max

<223> Clone ID: 701038296H1

<400> 47338

ggacaacagt tttcccagat agaacaata ataccatcac ttgctcggtt ccgttaacaa 60
aacaagacca aaaggagaat ggagtaccaa tcctttggaa gagtccagag accaaaaggg 120
gctaacataa tgcaggcatt gaaggtgatc ctgggtttgg ctgttggtgc atggctgtta 180
tatcagggtca agcactcgag aaacgataca gagaactata gcgcctaaac cgagtttgat 240
ggagctatat tggggcg taaaggatg ccatcacggt 280

<210> 47339
<211> 138
<212> DNA
<213> Glycine max

<223> Clone ID: 701038302H1

<400> 47339

gctaacactc attaattgca agaatggcac ttctgtgtt ggcgtatgtca ctggcgtttc 60
tcgttactct tggcttgcg agagcaagcc atgccagagc acgaagattt ttggcatgct 120
agttggccaa acactcccc 138

<210> 47340
<211> 148
<212> DNA
<213> Glycine max

<223> Clone ID: 701038303H1

<400> 47340

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ctcgacaaaa cggccatgtt taacccttc agttcaaca ctcagaattt catgctctgg 120
agtggctgag tttgatggat ctcatcag 148

<210> 47341
<211> 145

<212> DNA
<213> Glycine max

<223> Clone ID: 701038309H1

<400> 47341

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agcagcgtac aagcacgaag gaggaggagg agaggaagaa tcgaaagacg aaggcgggtt 120
gatgatcaag ccgcagagct tcact 145

<210> 47342

<211> 147

<212> DNA

<213> Glycine max

<223> Clone ID: 701038311H1

<400> 47342

gcgttgcata agtacaaagg caaaaagaact gtcggcgatg caatggctcc ttattcctct 60
gttcctaaga agctattcaa tgcacgtca atcacccacc tctagcagaa ggtgatagct 120
accatgttgtt ggacatcact tccacaa 147

<210> 47343

<211> 144

<212> DNA

<213> Glycine max

<223> Clone ID: 701038312H1

<400> 47343

aaaaaaaaaga gaagaaaaaa aaacttggtt ttatcttctt tgttattatt atattcactt 60
cttcaatatac ttggttcttt gatattatta ttgcatttag caaaaaatgg gagttccaga 120
gagagacccct cttgcacaat tgag 144

<210> 47344

<211> 146

<212> DNA

<213> Glycine max

<223> Clone ID: 701038314H1

<400> 47344

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accggcaaga ccatcacccct tgaggtggaa agctctgaca ccatcgacaa cgtcaaggcc 120
aagatccagg acaaggaagg aatccc 146

<210> 47345
<211> 276
<212> DNA
<213> Glycine max

<223> Clone ID: 701038275H1
<400> 47345

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taaacccctgg ctttctccgc ttaatttct cgttctctcg ccatcaagtc catatacatc 120
gttccagcat ggagaagata aaaataaaac tactcatgaa ggtgaaaca tttctccaac 180
accctttgt tcttgctgtt gttctggtt taggccttgt tatgtatggac ccttttcatc 240
tgggtccagt gtctgagcat gaattcagac ccgtga 276

<210> 47346
<211> 285
<212> DNA
<213> Glycine max

<223> Clone ID: 701038248H1
<400> 47346

ggaaaatcct ctgataactgt tgtttcctg aaaccatcac aatttgttgc tcaatcatgt 60
caacccatc ctctcccaa agcctcaaaa ttggcatagt tggattcggc aactttggcc 120
agtttctggc caagacaatg ataaaacaag gccacactct cacagcaact tctcgatctg 180
attactctga actttgtctc caaatggca tccatTTTTT cagggatgtc agcgcattcc 240
ttaccgcgga catagatctc atagtgttgt gcacatcgat attat 285

<210> 47347
<211> 291
<212> DNA
<213> Glycine max

<223> Clone ID: 701038249H1

0
1
2
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6
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8
9

<400> 47347

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cacatatgct aaacaaggaa actaaattct aaccccttc agatctacac cacccttc 120
ttttttcca gtttcataaaa ttctacacca tggcacggc ggttctacgg ccacaagatt 180
gtttcaccca ccgcacgct gttccacccgg cggttttc ccggagaaga acctctggga 240
cacacaacaa caattacttc aggggcacgc ggaagccggt tacccgaccc g 291

<210> 47348
<211> 278
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<223> Clone ID: 701038250H1

<400> 47348

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gntgtgttgg tttctcttgt ttttttttg taggtactga ggaagaaaga caaaaacttt 120
atccgcttgc ttcaacttagc tcaagagcgt acaattcagg caaaggcctt gaagtcggag 180
tgtgtgttaa ggatttctta ggagttgctt ctgtcttgac tgaagaaatg gaggtatatg 240
gcaaatctat ggttgcaggt cctgcaaatg ttatTTT 278

<210> 47349
<211> 287
<212> DNA
<213> Glycine max

<223> Clone ID: 701038252H1

<400> 47349

gcaaagatgt ttcccttcgg gcaaaagggt caaaagataa aggggactat ggtggttatg 60
cagaagaatg tggatcaacagcatc accagtgttgg gaggatcgt tgaccaaggc 120
ttaggcttca taggcagtgc agtcgatgca cttacttttgc cagccaccaa aatctccatc 180
cagttgatta gtgctaccaa ggctgatggt gggaaaggaa aaattggaaa gagtacaat 240
ttaagaggaa agataaacatt accaaccttgc ggagctggcg aacaagc 287

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<210> 47350
<211> 284
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<223> Clone ID: 701038253H1

<400> 47350

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taactgtggc gacgggggggt atcttaccta ttctgacatt gtttggggaa gaaaatttag 180
aagaagaaac ctttagatgga gaaaacttag aagccgaata cttacaagaa ggagaaaaaca 240
actcaggtgg agaaaaactta gatggagaaa acaacccaga agga 284

<210> 47351
<211> 284
<212> DNA
<213> Glycine max

<223> Clone ID: 701038254H1

<400> 47351

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ttaagtacca acttagcctt ttctgtgtca cactgctt acctgccctg tgtacctctc 180
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caaggggagc ttgtggcttt ggagaatatg gacaaacggt aaac 284

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<211> 283
<212> DNA
<213> Glycine max

<223> Clone ID: 701038257H1

<400> 47352

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aaccccattt tctcacacac actctcttt tctcttccaa ttacaacaca atctgtctga 120

gattcgccac cgaaaaacct ctcaccatgg tttctcgcca tttggtttcg cttttcctct 180
gttccctctg tttcgagatc tctgtttcat caattcgatt gcccggtttgcaccaagacg 240
ccaaggccac gcatggatcg gtgcttaggt tgaacagagg agg 283

<210> 47353
<211> 281
<212> DNA
<213> Glycine max

<223> Clone ID: 701038258H1

<400> 47353

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tctcacggca agcaatccag caggtgtatg atgccaagct taacaagtga acccaaaaat 120
gttcaaatact ttggtgtcta tgaaatcata gtgagctcggtttagtggtttagtcaagc 180
ccctcatttgc tcaccaaga catcgattt gttgtgtgct accttaaact tttggggcc 240
aattctacat ctgaaagcta gaagagtgtc cttccctcg a 281

<210> 47354
<211> 277
<212> DNA
<213> Glycine max

<223> Clone ID: 701038259H1

<400> 47354

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aatcttaag ctatggaaa gtcttaccca accgtgagcg ctgattacca gaaggccgtt 120
gagaaggcga agaagaagct cagaggcttc atcgctgaga agagatgcgc tcctctaattg 180
ctccgtttgg catggcactc tgctggaact tacgacgtga gctcgaagac cgggggtccc 240
ttcggAACCA taaAGCACCC ctccgaactc gctcactg 277

<210> 47355
<211> 277
<212> DNA
<213> Glycine max

<223> Clone ID: 701038260H1

<400> 47355
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ccacctaatt acattggtgt tactttcgat gatattggag ctcttgaaaa tgtcaaggat 180
acattgaagg aattggttat gcttccttta caaaggccag agctatttg caaaggcata 240
ttaaccaagc cqtqcaaqqq tattccttta tttqgtc 277

<210> 47356
<211> 274
<212> DNA
<213> Glycine max

<223> Clone ID: 701038261H1

<400> 47356

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gctagcccta ggactgatac ttcaacagat gatacagaag acaaaaatca aaggcctgaa 120
aggggtgaat ccagtggatc aaaagataaa tcagatcaaa agacattaag acggcttgc 180
caaaaatcgta aggctgccag gaaaagccga ctgaggaaaa aggcatatgt gcaacaatta 240
gagagcagta ggttgaaact gacccaactt gagc 274

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<210> 47357
<211> 273
<212> DNA
<213> Glycine max

<223> Clone ID: 701038262H1

<400> 47357

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ggtgttggag atcgtgatga ctttcgggtt ggtgtacaca gtctacgcca ctgccgttga 120
ccccaaagaag ggcaatttgg gaattattgc tcccatcgcc attggtttca ttgttggcgc 180
taacattttg ttgggtgggg cttctccgg agcagccatg aaccctgctg tgacatttgg 240
gcctgctgtc gtgagctgga cctggaccaa cca 273
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<210> 47358
<211> 279
<212> DNA
<213> Glycine max

<223> Clone ID: 701038263H1

<400> 47358

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gatcatggga gtggatttaa gacaagtggt ggccgggtgtc ctcaccctca caatgttcgt 120
catgcttata cacatgatca aaagagacca ttttgatgct gttgatgata aacttccctgg 180
aacggaggat gtcagcttg aaagtacaaa ctttgatact actcatgtta gacagaacat 240
cgggatttgg aaggagatg gtgatgagtt aaaaccatg 279

<210> 47359
<211> 273
<212> DNA
<213> Glycine max

<223> Clone ID: 701038264H1

<400> 47359

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gcgttctctc tctcgattc atctgcattt tagtcgcccgg cgtcggaggc cagtctcccg 120
ccgcagcgcc gtcaaacact ccggccaatc ccggccgccc cactcccgcc caagcacctt 180
ccacagttacc gaaatcacca gctcccggtt cttctcccaa atcatctcca ccagctgcaa 240
ccccctgcatt tactccggcg gcatctccca cca 273

<210> 47360
<211> 285
<212> DNA
<213> Glycine max

<223> Clone ID: 701038266H1

<400> 47360

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gggcggaaagc acaaccgttg actagtctca aacttaactc tcattattctt caggagtcta 120
ctgctaaaga gattaatgaa aatcccgagg caggatggga ggctgctata aatcctcggtt 180

tctccaatta tacagttgaa caatthaagc gccttcttgg agtcaaacca atgcctaaga 240
agggacttag aagtacacct gctataatctc acccaaagac gttga 285

<210> 47361
<211> 280
<212> DNA
<213> Glycine max

<223> Clone ID: 701038267H1

<400> 47361

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cgctgtgaccg gaggaagacg ctgaagctct tcacgcccggc ggacatgagg atggtggaa 120
ggagaggggtg cgacatgtgg cagggcgtga atccggacca tcccggcaag ttgcagacgc 180
tggcgatgga ttggagatg aaggagatga taataaagga ttggatacg ttcttgaga 240
ggaagttttt gtataagaat ttggaaagg ctggaaagag 280

<210> 47362
<211> 283
<212> DNA
<213> Glycine max

<223> Clone ID: 701038268H1

<400> 47362

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gagaacaaca tcatcccgat ggacactccg ggcggcgccg ctacctcctc caccgctacc 120
accacgacca acgccgacga ctcgatcttc tactacgacg aggccccggca gaacgagttc 180
cagcgcgaca agccctgggc caacgacccc cactactca agcgcgtgaa gatctccgca 240
ctcgcgctcc tcaagatggt cgtccacgacg cgctccggcg gca 283

<210> 47363
<211> 285
<212> DNA
<213> Glycine max

<223> Clone ID: 701038269H1

<400> 47363

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ctccttctc ctagcctggt agtctttga aaattctta tcttgatcac ataatttca 120
tttgaactt gaagaaaagtt ttagtgtatt ttttttcct taaagaaaca gaacatatcc 180
tggtctttct ttctctgttt gcattttgt tcacttctt ctgtttctt ttctttctta 240
ttatcttagtt aagcatgaca acatttatgg acatgtacaa cacta 285

<210> 47364
<211> 283
<212> DNA
<213> Glycine max

<223> Clone ID: 701038270H1

<400> 47364

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aggagaacag tgctcagaag caaaggccat gaaggccatg atattctcg tagccctgta 120
cttgggtggca ttaggttagt gttgtgtcaa gccaaacatg gttgcttacg gaggcgacca 180
attcgaccaa gacaacccca agcaattaaa gaagctctt acctacttca acgctgcata 240
ttttgcattc tcttgggag aacttggtag cctgaccatt ctt 283

<210> 47365
<211> 274
<212> DNA
<213> Glycine max

<223> Clone ID: 701038271H1

<400> 47365

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tgcaattggc tgattcaaaa aatgccagg tggatcttac accagatggt atttttacct 120
tctctggtag tgctggtagt gaagaccatc agttagact aaaactggag ctcttgaca 180
aggtaatgt agaggagac aaaattactg taggagtgcg aacatattct gtgttagtgc 240
gaacgcagag gatggatggt ggaaaagggtt actg 274

<210> 47366
<211> 284

09/22/00

<212> DNA
<213> Glycine max

<223> Clone ID: 701038272H1

<400> 47366

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caatccgagt tagaaacaag taagaaggat tccacttatg acagaatagc tgaagtcaaa 120
gcctttgatg aaacaaaact tggtgtgaaa ggctcttcg attctggat cacaagata 180
ccacgcatgt tccatcatgc caaggttagag gaccacactg aaaccatgcc aaatgactca 240
aacttcagtg tccccatcat agatctccaa gatatacgaca caaa 284

<210> 47367
<211> 278
<212> DNA
<213> Glycine max

<223> Clone ID: 701038274H1

<400> 47367

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ctgaatggat gcgtAACGGT gattactctc cttctcgatt tcaagctcaa gcagacgctg 120
tgaatctcat ttgcggtgct aaaacgcagt ctaatccaga aaatacagtg ggagttctca 180
caatggcagg gaaaggcggt cgttttgg tcacccctac cagtgatctg ggcaagatct 240
tagcctgcat gcatgggcta gatatacgatg gtgagatg 278

<210> 47368
<211> 294
<212> DNA
<213> Glycine max

<223> Clone ID: 701038218H1

<400> 47368

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agaaaagtggat gatccttagga ggtgggtttg ccggtgccaa ctttgcaaaa actataacaac 120
atcaagccaa cgtcaccctt attgatccga aggaatattt tgagattcca tggcaagtt 180
tgacgggatt ggttgagcca acttttgctg aaaggatagt aatcaaccat agagagtact 240

tcaaaaaggg taaccttgtt gtatccagtg ctgtcaacat aactgaaact gcag 294

<210> 47369
<211> 289
<212> DNA
<213> Glycine max

<223> Clone ID: 701038219H1

<400> 47369

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aaagaaaaacc tctgggttcc ccaagatgtc atcatcgaa ctctcttctt tctttctcct 120
gcccctatca gccatactca gtttcgatgc tttgctcgga gttatgttcc tagtggccgt 180
gttcggctac tggctggttc ccgggtggct tgcttggct ttgtccaaat tcaaggctgc 240
gattcccgaa ctttgcgggtt acccggtggt gggcctgggtt tgggcttcc 289

<210> 47370
<211> 286
<212> DNA
<213> Glycine max

<223> Clone ID: 701038220H1

<400> 47370

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ttaattttga gtggggagca tcgtgccctt cagccagttt ttcagattt cggtcgtcga 120
caggtcttct ctggacctat agttacccctt aaggtgtttt aagacaatgt tttggttcgc 180
gagttccctt aagagaaaagg caatggaaaga gtgcttgggg ttgatggagg cgcgagttt 240
cgctgtgcta tattgggtgg caacctgtgg tacaagctca aaacaa 286

<210> 47371
<211> 283
<212> DNA
<213> Glycine max

<223> Clone ID: 701038222H1

<400> 47371

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taaccaagcc gtgcaagggt atcctattat ttggcccccc tggAACAGGT aagacaatgc 120
ttgcaaaggc agttgttacc gaagctggtg caaatttcat caacatttcc atgtcaagta 180
tcacatctaa gtggtttgtt gagggtgaaa agtatgtcaa agctgtttt tccctggcta 240
gtaaaaattgc tcctagcgtg atatttggat acgaagtgtat agc 283

<210> 47372
<211> 286
<212> DNA
<213> Glycine max

<223> Clone ID: 701038223H1

<400> 47372

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atgaacatct tcaccaagaa acccaccgccc aaagaggctc ttctgtgagag taaacgtgaa 120
atgacaaacg ccagtagagg tatagagaag gaaattggag ctctacaatc ggaagaaaaaa 180
aagcttggatctgagataaa gagaactgct aagacggaa atgaggcagc aactaaaatt 240
ctagctcgcc agttgtatcag gcttaggcaa caaattgcta atcttc 286

<210> 47373
<211> 283
<212> DNA
<213> Glycine max

<223> Clone ID: 701038225H1

<400> 47373

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ctcttttagtt ctctttccc cttttttttt ctttttttc ttcttctgag cttgttttaag 120
ctttttttcc attaacatata tattaccatg tttttttttt ttcttcttctt tttttttttt 180
gatgactctc gagccaaaag ggtccgcgtg ctttagctct ctcgcagatt gaagcaccgt 240
ggccctgact ggagtggct ccatcaacat ggtgactgct ttt 283

<210> 47374
<211> 282
<212> DNA
<213> Glycine max

<223> Clone ID: 701038226H1
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caccactctc taccaaacc aaggtaatgc caacggcaac gtccggctccg tcaacatcac 120
cgacctcaaa ggccggcaagg tcggcttcgg ctccgcggct cccggctcca aactcgactc 180
ctcctacatc aaatccgtca aaagtatccc ctacaacatc tccgtcatcg aaatcagcgc 240
gccgataatg gcgcggggga tcctcgcggc tcctcctccg tc 282

<210> 47375
<211> 282
<212> DNA
<213> Glycine max

<223> Clone ID: 701038227H1
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tcccaaacca gaaaaccatg tctacctccg cagcttccct cgcaactccca accctcactc 120
tccgaacccg acaacctcta tgttctcccc aatgcttctc ctcgtccctc tccctcacac 180
ccaacaacaa acccatttcc atttctgctg ttttctcaa accaacaact ctgtcgctgt 240
ctcgcttcgt tccccacgtc gtgggtgcgt cggtttggg gc 282

<210> 47376
<211> 280
<212> DNA
<213> Glycine max

<223> Clone ID: 701038228H1
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gaagagagga gcaagcggtg gttgatgaga agctctgaaa ttccaccaac ttgggggtgga 120
cgctaaccgt tacctttggg aagaaaactgc ttctatgcca aactgcgtt gcagttAACG 180
aagctcctct cagcaaccct ttgcttagtca tcttcagcac gaagagagcg tcgtcgctt 240
cgctatgtcg cgacagagat ccagaagagc cgaactacct 280

<210> 47377
<211> 281
<212> DNA
<213> Glycine max

<223> Clone ID: 701038229H1

<400> 47377

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agatgatcat caacgtgaag gaatcgacgg tggtgccggcc ggcggaggag gtggcgccgg 120
gggtggtgtg gaactccaac gtggacctgg tggccccaa tttccacacg cccagtgtat 180
acttctatacg gtccaaacggc acctccaact tttcgacgg caaggttctg aaggaggcac 240
tgagcaaggt gctggtgccg ttctacccaa tggctggcg g 281

<210> 47378
<211> 253
<212> DNA
<213> Glycine max

<223> Clone ID: 701038231H1

<400> 47378

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agacgacggc aaggactacc aggagccagc gccggcgccg ctggttgacc cgacggagtt 180
tcaggcatgg tcagtttaca gagctcgat agcagagctt gtggccactc atctgtatct 240
ctacatcaact gtc 253

<210> 47379
<211> 272
<212> DNA
<213> Glycine max

<223> Clone ID: 701038232H1

<400> 47379

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agatagctct tggtactttg gatgactctt ttagcgctgc ctctcttaag gcttatttcg 120

cagagtcca cgcaactctg atttacgtgt tcgctggtgt tggatcagcc atcgcttaca 180
acgagcttac aaaagatgca gccttggatc caacggggct ggtggcagta gctgtggcac 240
atgcatttgc actgtttgtt ggtgtcatcg tc 272

<210> 47380
<211> 294
<212> DNA
<213> Glycine max

<223> Clone ID: 701038233H1
<400> 47380

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cccggtcgaa ccggaggaga agttcgccgc cgagtccatg ataacaaccg cggaagaatt 120
ggggtgtgctg ggggagatgg aagcgacgtc gtccacgggtt ctgcggcc cgcttatggc 180
tacgacgtcc catgctgacg tggcgctgat tccgatgagg gaggaggacg agtcgctctt 240
cgccgacctc ggagagctgc cggagtgctc ggtagtgttc cggcaggggc tgct 294

<210> 47381
<211> 291
<212> DNA
<213> Glycine max

<223> Clone ID: 701038234H1
<400> 47381

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tacatgagtt gggtaaggg gttcggtggg cacagatggg tgggtttgt gtgcgcgtatg 120
tgggacatgt cgtttgcggg gacatcttac atgttcggga gcatatcgcc ggtgataaaag 180
agcagcatgg gttcaacca gaagcaggtg gcgttcttga gcgtggctaa ggatttgggt 240
gacaacgttg gtcttcttgc tggaaaaatc agccaggctt cccctgtttg g 291

<210> 47382
<211> 289
<212> DNA
<213> Glycine max

<223> Clone ID: 701038235H1

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<400> 47382

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aaaacggttt ggtcaccgat tgtccaagag gggagaacaa agggcgtgtc ctatccaacg 120
actatgttgt tagaaagctc gaaaagctct gcactgtcaa agacatctct gccaaagaaaa 180
cagtatcagg aatggtaac ttcccttat gggaggatt caaaagcagc aaatgtggtt 240
tggctgtctt tggtcagagc aaatctcacc agattttgg ttcacagag 289

<210> 47383
<211> 288
<212> DNA
<213> Glycine max

<223> Clone ID: 701038236H1

<400> 47383

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ctctcataaaa gattgattgc cttggtaacg tgacattgca tgacttgatt gaagacatgg 120
gtaaagaaat tgtccgaagg gaatcaccag aagagcctga aaatcgcaGT aggttatggT 180
gtcctgaaga tatagttcaa gtcttagaag aaaataaggg tactagtaga attcaaATga 240
tagctctgga ttatctcaat tatgaagaag tagaatggGA tggaatgg 288

<210> 47384
<211> 279
<212> DNA
<213> Glycine max

<223> Clone ID: 701038237H1

<400> 47384

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acaatgaaga tatctgatga gaacagttct aaaccaatca accccacaag ttttcaagga 120
gggatagaat gtgtgggaa cagaaagatg gggcagaaca gaagggtttt gagcgtgatc 180
aatcaggatc tggtggcgga agggagacct tacccttgtt ttgttaacaa aagggcattg 240
gcagacaaac acgatgtatg tgagaagaag caggcggat 279

<210> 47385
<211> 289
<212> DNA
<213> Glycine max

<223> Clone ID: 701038238H1

<400> 47385

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agtgaacctg attctaggag tgaatctgat tcagataaac agaatcactc cagtcattct 120
tcgaaggatg atctgaagag gaaaaagcac agaagaaaagt catccgaaac agttgtgatt 180
cgtaacatca actacatcac tccaaaaagg agaaatggaa atgaggatgg aggctctgat 240
aatcttag aagatgatga tgtcatcgat gacgaaaccca tcaaacaaa 289

<210> 47386
<211> 289
<212> DNA
<213> Glycine max

<223> Clone ID: 701038239H1

<400> 47386

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acacctcacc ccaccctacc cccatcccac ccaccttctt ctttctctct ttctccctt 180
ttcccttag tttcgtctg ttctccctt gtgggttctc ttgtctctct ctgatctcat 240
gaagaagatg aaaggggttg tccccatgga acctccttat gaggtgtac 289

<210> 47387
<211> 281
<212> DNA
<213> Glycine max

<223> Clone ID: 701038242H1

<400> 47387

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ttgctggggc gaaagcacaa ccgttgacta gtctcaagct taactctccg atccttcagg 120
agtctattgc taaaagagatc aatgaaaatc ctgaggcagg atgggaggct gctataaaatc 180

ctcatttctc caattataca gttgaacaat ttaagcgccct tcttgagtc aaaccaacgc 240
ctaagaagga actgagaagt acacctgcta tatctcaccc a 281

<210> 47388
<211> 281
<212> DNA
<213> Glycine max

<223> Clone ID: 701038243H1

<400> 47388

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tctcattcgg gaagcaatcg aagcctcaa cccctcttga agccatccac aatgcgacac 120
gtcggtccaa ttccaatccc aaaacagcca acgaccttcc ttctgtctcc tcctcttcca 180
gggattggct caattccctc cgccctccca aaaccctac tcctctcct ccgctgccgc 240
cgccagatca cgacgacggc ccaatggtgg gaccgccc g 281

<210> 47389
<211> 277
<212> DNA
<213> Glycine max

<223> Clone ID: 701038245H1

<400> 47389

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agaacaaaaa taggtcttct tcttctctga tctaccaaag cttcaaattc tccttagttt 120
ggtttgtctg ttagtttgaa gtgtaatgtc gccgcccacg ctggtaacgg aggaggaggg 180
gcggacacccg tggcgtccga ttcttcgcaa tccttgact gtttctctca gaatggtgct 240
ggattgaaag aacggaatta cttagggtt tctgatt 277

<210> 47390
<211> 308
<212> DNA
<213> Glycine max

<223> Clone ID: 701038217H1

<400> 47390

ttcgggtcga gcattttca gtttctcagt ttcttattcg ttagatctca tcttacactc 60
gccgtcaagt tcgtctcgcg ccaccgtcga cgcatcgcc accacccctt tggttccct 120
cactttctcg ctcttcttct tctcagaaat atgccttctc agaaggta aacgggtcat 180
caagacacgg tccatgatgt cgcatggat tactatggta agaggctggc cacggcttca 240
tcagatcaca caattaagat aattgggtc agcaacacgg cctcccagca tctagcaact 300
ttgactgg 308

<210> 47391
<211> 261
<212> DNA
<213> Glycine max

<223> Clone ID: 701038184H1
<400> 47391

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gctaatacaa ctgctggttt tgaagacgtc atcaaattggg cttctagttat catgcccta 120
cagctgttta gtttcttgg ggaagaattc gggctgtgt atgacaatga gaggacaaga 180
atgttttctt gttatctaaa atgtattctt gttctgtcaa aattgtgagt ttccaagttg 240
ctttgtgaaa cctccaataaa c 261

<210> 47392
<211> 282
<212> DNA
<213> Glycine max

<223> Clone ID: 701038185H1
<400> 47392

gtacgaaatt gtgtcaatcc ttattggctt catgtgtttt tcttgggttt aaggaaattc 60
atctcctcgt agtaacgaat ggagagtagg gagagggaga ggtgaacctc gtccttgccc 120
caacgagggtt tggaccgaag cacgtgcggg atggcaggcc acgaagaaga agaagaagaa 180
gaaggcgcgt ggggcttggaa gagaggccag agtagagcg cgtggagacg acggaagcct 240
ccgagggcga ggaccacgga tcgttagctgt tgctcaccgc ac 282

DRAFT

<210> 47393
<211> 283
<212> DNA
<213> Glycine max

<223> Clone ID: 701038186H1

<400> 47393

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aaagttggc atattgatga tgtccaagag ctaagaaaaa ccaagccaag gacaattcct 120
caaagattt tacgagacat gacagaaaga ccaacagtca ctacacctct tcccccacca 180
tatagtgaca tgccagtcat tgatttctat aagcttagca aagggAACaa agaggaagtc 240
ctcaactgaac tttcaatct tgcaactgct tgtgaagagt ggg 283

<210> 47394
<211> 277
<212> DNA
<213> Glycine max

<223> Clone ID: 701038187H1

<400> 47394

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atcactgctg atattagtag taacatgtcg tatgtggtgg ctgagaatgc tacacttaga 120
cagcaagtgc gtgctgctgg tgtcatgtgt cctcctcctc cagcacctgc tcctggatg 180
taccctcatac atcctccaat ggcacccatg ccttacccgt ggatgccttg tgctccttat 240
gttgttaagc ctcaagggtc tcaggttcct ttggttc 277

<210> 47395
<211> 283
<212> DNA
<213> Glycine max

<223> Clone ID: 701038188H1

<400> 47395

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gctagagaag ctctggatg atgttggtgc tggccctcaa cctgagcgtg gccttggcaa 120
gctcagaaaa ctcaccaccc tcaaaaactat tcatgtttttt gaaagttagca agctgcagaa 180

gacgttgcg atgccgtcga caccacaac cccgatgact ccgacgactc caacgacacc 240
gggatcgccc cgtaaagctg acaacgtttg gaggagcgtc ttc 283

<210> 47396
<211> 280
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<223> Clone ID: 701038190H1

<400> 47396

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ccacaatcca tgtccaagaa accaagttt gcgagagtt tcgctaaaca aagctttca 120
gtcatgaaca acaatcaatc tgctgccaag aagtatgctt tgattcgtga taacttctct 180
acccttgaac aggtgactac agccctgagg aaagaaggat tagaatcatc anatctcatc 240
cttggaaattt attttacaaa gagcaatgaa tggactgaat 280

<210> 47397
<211> 281
<212> DNA
<213> Glycine max

<223> Clone ID: 701038191H1

<400> 47397

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tcgttggag cgaacaagtt ccccgagaga cagccattt ggacggcgcc gcagagccaa 120
gacgacggca aggactacca ggagccggcg ccggcgccgc tggttgaccc gacggagttt 180
acgtcatggt cgtttacag agcagggata gcagagttt tggccacttt tctgtttctc 240
tacatcaactg tcttaaccgt tatggagtc gccggggcta a 281

<210> 47398
<211> 279
<212> DNA
<213> Glycine max

<223> Clone ID: 701038192H1

<400> 47398

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gtgtccta at ggctctcccc gactcttctt cctgccgcaa ctccctgatc ccctccttca 120
tctactcctc ttccctccaaa acgctccctc tacaccacat gctcaactcc gcctccgccc 180
ccgccccctc ccagccgccc gaaaacctcc acgcccggatc gcgccggcctc atgattccct 240
ctccccagcga gtcacgcaag atcgagatgt actccctg 279

<210> 47399

<211> 284

<212> DNA

<213> Glycine max

<223> Clone ID: 701038193H1

<400> 47399

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ttgaagtact actagtcaaa agttcagta tcgatttagtt acccctagac agaaaatccg 120
taacttgttgc agccagcaat gcaggttcac gttggtaaga tatcataatg cagaggcaca 180
ttgcaggaag agtttgagc atcaaacgag gagcatcttgc agaagactcc atggagctac 240
tactttctc tacacccttc ctttttgtt ttaggcagtt tttt 284

<210> 47400

<211> 276

<212> DNA

<213> Glycine max

<223> Clone ID: 701038195H1

<400> 47400

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gaaggccttgc cccttgtaa tggcacccgt gttggttctg gcttggcttc aattggcctt 120
tttgaagcca acatcattgc tgtcttgtct gaggttattt cagcaatttt tgctgaagtgc 180
atgcaaggaa agccagagtt cactgaccat ttgactcata aactaaagca ccaccctgg 240
cagattgaag ctgctgctat catggAACAC attttg 276

<210> 47401

<211> 300 ..
<212> DNA
<213> Glycine max

<223> Clone ID: 701038201H1

<400> 47401

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ttcagatatac cgctgaggaa tcatcgaga aagagttcgt actcacattg gatcactcta 120
actttcacga cactgtcagc aagcacgatt tcatcgtcgt cgagttctac gctccatgg 180
gtgcccactg taagaagctt gctcccgagt atgagaaaagc tgcttctatc ttgagtagtc 240
atgatccctcc gggtgttttg gctaaaattg atgccaatga ggagaagaac aaagaccttg 300

<210> 47402
<211> 297
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<223> Clone ID: 701038202H1

<400> 47402

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naatacggtc ctttcattga gtcagtgaac aagagagggc tgAACCTCTC tgagggtggt 120
tgttccacat tcacaatggg gcgggttgga gaaaccaagg acagaaggac agtgagagtg 180
gaatgcttca tgaaagaaaag cagccccaat atctgggtga ggcctatcag tggactcaca 240
atggtggttg accttgaact catgaagatc gttcagtatc acgacggtgg cattata 297

<210> 47403
<211> 293
<212> DNA
<213> Glycine max

<223> Clone ID: 701038204H1
<400> 47403

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catggaggggt ctcataacg gcttcataa acttgctctc ggagctgatg gtggcgatcg 120
ggaagaacaa caacacggga gacacgaccg tagtagaagc tcctgggctg aagtgcgtctc 180

ccaggatcaa caagtaccat tccaactccc atgtcttttta atatttgctt catcacccaa 240
tctcatttct tcattttca tttttgcacg atcaccctct tcctcatcac caa 293

<210> 47404
<211> 293
<212> DNA
<213> Glycine max

<223> Clone ID: 701038205H1

<400> 47404

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tcgtttgtat agagcatggc cggtgggtct atcaagagac attgtttctc cgaagaggac 120
gatgtggagc ctgggttattc tgggcacaac cacttccatc attaccaaca cggttttatt 180
tcttaggacat tgggttatgg cactttctac aaccgacgtg tgaggagcca ttgcattttc 240
tcgcccagat ctgggagatt ttatgtgcc agattcgaag accaccaacc cca 293

<210> 47405
<211> 290
<212> DNA
<213> Glycine max

<223> Clone ID: 701038208H1

<400> 47405

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taagtcaaat gtggtaagt ttgaagtgc gctttacaaa actcgtgagg agaaatatct 120
gcttgatctt caaagggtcc agggccaca gtttctttc ttggatctgt gcgctgctt 180
cctttcacag ctacgtgttc tctagtgaag ctcacaagtc gcaaaggaga ctttgaggtg 240
tcttggttgg catgtgaata agcttacgtt gtacatatca atgcccttcc 290

<210> 47406
<211> 286
<212> DNA
<213> Glycine max

<223> Clone ID: 701038210H1

<400> 47406

cgggttacaa gcttgactgg ggagtcaagg gaatctggtt aggaatgata tcagggacta 60
tcctccaaac atgtgttctt ttgggtgctga tttacaaaac taattggaac gaagaggcct 120
cccttgcga agataggata cggacttggg gtggacataa aaaagcgact gtgaatgaca 180
cagaaaacac acaagaaaaca tgaaattgca gtaggagaat tggtagcata tgaagtatga 240
tacttgaatt gttgacagaa aagcttagt tgcttagaa tattct 286

<210> 47407
<211> 287
<212> DNA
<213> Glycine max

<223> Clone ID: 701038211H1

<400> 47407

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aaggaaggaa ttcccccgga tcagcaacgt ctcatctcg ccggaaagca gctcgaggac 120
ggccgtaccc tcgcccacta caacatccag aaggagtcaa cccttcacct tgtccttcgt 180
ctccgtggtg gcatgcagat cttcgtcaag actctcaactg gcaaaaccat aaccctagag 240
gtcggaaagct ctgacaccat tgacaacgta aaggccaaga tccagga 287

<210> 47408
<211> 283
<212> DNA
<213> Glycine max

<223> Clone ID: 701038212H1

<400> 47408

cattttcttc gtagccaaac actctgaaat tctcagttat gtcgtggcaa gcgtatgtgg 60
atgatcacct actgtgtgaa atcgaaggta accacctcac tcacgccgct atcatcgcc 120
aagacggaag cgtttggct cagagcacca acttccctca gttcaaacct gaggaaataa 180
ctgccatcaa taatgacttt aatgaggctg gatcacttgc tccaaactgga ttgtatatcg 240
gtggcaccaa atacatggtc atccagggtg aagctggcgt tgt 283

<210> 47409
<211> 284

<212> DNA
<213> Glycine max

<223> Clone ID: 701038213H1

<400> 47409

acctctcgcc cagaatccga gatcaacccc gacgaaggca aggggtttt ctcggcttct 60
tcacatttct gaaatggcgc ctgttcagc tttagccaag tacaagctcg tcttcctggg 120
tgaacacatc cgtgggcaaa accagcatca tcactcgctt catgtatgtat aaattcgata 180
ccacctatca ggctacaatt ggtattgatt ttctatcaaa aactatgtat cttgaagatc 240
gaactgttcg actgcagttg tgggatacag ctgggcagga aaga 284

<210> 47410
<211> 286
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<223> Clone ID: 701038214H1

<400> 47410

ctcgagccgc gaaaaagaga ttggagagag agagaagtga gactgtgaga gggagcacag 60
tgaagaagag aacgaaggaa cgaagatgga gactcctcct ccgcaacaag gcgtggtgaa 120
gaagaaggag acaaggggcc gaaaacccaa gccgaaagac gaacacgcca aggcgttgaa 180
ggaagggaga aaaacacagc aacaacaaca tgatcagcag caacaacaac aacagcaaca 240
tcaaccctcg gtggacgaga aatacacgca tganagtccc ttgttc 286

<210> 47411
<211> 284
<212> DNA
<213> Glycine max

<223> Clone ID: 701038215H1

<400> 47411

ctgagccgca ctgttcttc tttgtatatt gttcttgttc ttcattcaca ccccattctc 60
tctctcaaac gttcaaaccg tgaaacccctt ctatctttt ctttgatta ttatgggtg 120
agactgagac gtgttgtac tttctcgag ctttgatta cttaacatt ttgggttgct 180

ggtaatattc cttgttcgtc ttcagttgtt acactttgg cccctttta ggttcggtg 240
atttccgga gaccagggtt ggaattcgca agatctaagg tttt 284

<210> 47412
<211> 289
<212> DNA
<213> Glycine max

<223> Clone ID: 701038216H1

<400> 47412

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cttcactctt ggtcttgcga gagaaagcca tgccagagac gaagatttt ggcatgctgt 120
ttggccaaac actcccattc caagttcatt gcgagatctt ctaaagcctg gccctgcaag 180
tgttgaatc gatgaccacc ctatgcaaat tgaagaaaca cagtacccga aaaccttctt 240
ctataaagaa gacccatc caggcaaaac aatgaaaatgtt caattcagc 289

<210> 47413
<211> 283
<212> DNA
<213> Glycine max

<223> Clone ID: 701038183H1

<400> 47413

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ggcagcgcgc gctcccatc cacgcgaaga gttcgtgtac atggcgaagc tggcggagca 120
ggccgagcgc tacgaggaga tggggagtt catggagaag gtctccgcct ccgccgagag 180
ctaggagctg accgtggagg agcggaaacct cctctccgtc gcctacaaga ccgtaatcgg 240
cgctcgccgc gcctcctggc gcatcatctc ctccatttag cag 283

<210> 47414
<211> 289
<212> DNA
<213> Glycine max

<223> Clone ID: 701038155H1

<400> 47414

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aatttcagct cactattctt attttctgt ttcatccaat cctgctcatt tattttaat 120
gacaaaatat acgcaaatgg tgcaaagttg aagatttcc acatcttgtt tcatgccag 180
ctcctcaagc tagctttga ttttgatttt tctcattttc tggcttaaat ttctcatctt 240
tttctataaa aaaaataaaaa ttcccagcag catagtagta gaagtttt 289

<210> 47415
<211> 288
<212> DNA
<213> Glycine max

<223> Clone ID: 701038156H1

<400> 47415
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attcagaaat cacgaggctg gctgctctag aacacaaaga tttggttttt attctaccta 120
acaccacatg gatacggtgc cggaggattt gtttccaaa attctgtctt acacatctcc 180
accagacgca tgttagattct ctatggtctc ttcaacccta cgctttccg ctgactctga 240
ccttctctgg cgaactttctt ttccttctga ttactctgac attgtctc 288

<210> 47416
<211> 218
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<223> Clone ID: 701038157H1

<400> 47416

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tcagcaaattt attacttggt tgagatttc attgtatggtt tgagtgcctt agtggacgac 120
cccttaagaa agggttctnc atgtatacat gtaatgataa tatggatctt attgatttt 180
agatatttga natgttagtc tttccttaac ttgataac 218

<210> 47417
<211> 284
<212> DNA
<213> Glycine max

<223> Clone ID: 701038158H1

<400> 47417

caacctgaat tttcttgc aa ttgtggagg gatttctttt ttgcagatga tggccattat 60
tattgttgtt taaaaaaattt catgcacatt gtttaagca gtgttgtaa atagcccaa 120
tagtggcgct atagtgctat tgcattgcga aattccctgg atccgcgatt gcaactctgg 180
tccactattt tggctgctat aggtgttgtg gtgcagcat gcgtgctgca tcctcttgtt 240
atctctgtca agtctcctgc caattggact tttgagttaa tatt 284

<210> 47418

<211> 288

<212> DNA

<213> Glycine max

<223> Clone ID: 701038159H1

<400> 47418

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agaagattca acaagattac atcactgaga gactctgcct ggtttactat ttctcaagcc 120
aaaaattcac gtgaagcaaa taacaggcga atcatgtcat tagttaggct tgctgatcta 180
gctcctacat catatgaaaa tgctaagctc ttctcactga aggggtgtga ttttagacca 240
ggcctgtcct cccaaatttt tgatcctgat aagcatagga gcatgtac 288

<210> 47419

<211> 289

<212> DNA

<213> Glycine max

<223> Clone ID: 701038160H1

<400> 47419

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gcgaactcgt ccacgcccatttctt cgcattccctc acccgaagga ttccgcctcac 120
gaacccgaaa tccttcaccg gagccgcgc acgcgcgtcgc tcacgcgtcgc cgcgtcgtcg 180
agttcgctct cgccgggtcga agcttcgccc agcagaatga cgcggcgct gtcggagacg 240
gatctctccg cgcgtccaa aacgtcttcg ttccggctcct ctctgtttt 289

<210> 47420
<211> 286
<212> DNA
<213> Glycine max

<223> Clone ID: 701038161H1

<400> 47420

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gtttgtgtgg ttcatcttgc ttcttctccct tccctccccc ctctgtaaca ccccgcttct 120
ctgaatccct ttctgttaat catctgtctt tcaagctaag attttcgggt ttgtcttatta 180
attcaccaag aagcaaactt agaaggattt ttgcgaaagcc aggtgtttc agaaacgaga 240
tccaggtttt attgtcgaat ttgcgttagtc aaattaattt tcataaa 286

<210> 47421
<211> 289
<212> DNA
<213> Glycine max

<223> Clone ID: 701038162H1

<400> 47421

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tagagactgg gttgtgaag cctggatgg tggtgacttt tggtcccact gggctgacaa 120
ctgaggtaa gtctgttgc atgcaccatg aggctctcac agaggcttcc ccaggtgaca 180
atgttggatt taatgtgaag aatgttgcag tcaaggatct caagcgttgtt tttgttgcatt 240
ccaactccaa ggacgactct gccaaaggaaatg ctgccaactt cacatccca 289

<210> 47422
<211> 290
<212> DNA
<213> Glycine max

<223> Clone ID: 701038163H1

<400> 47422

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gcaattgcag ctaaaaatatc aaattggac aatgtcgat tggcctacga gccagtttgg 120

gccattggaa cacgaaagg tgcgtactcct gtcaggctc aagaggtcca tgctgattt 180
aggaaatggg ttcatgacaa tgtgagtgc gaagttgctg catctgtaag aattatctat 240
ggaggttctg taaatggagg aaactgcaaa gaattggccg cacagccccga 290

<210> 47423
<211> 296
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<223> Clone ID: 701038164H1

<400> 47423

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tcctcaaatg caccatatga ttcccttcat gactccgacg ggtgatattc cggcacttta 120
catgcttat gctgttgttgc acacactaaat gcgtctttct ctggacacta 180
tgtttcatat gtgaaagatc tgcaaggcaa ttggttcaga atagatgata ttgaggttca 240
gccagtagtacta gttaatcagg tcatgtcaga aggagcatat atcttattct acatga 296

<210> 47424
<211> 285
<212> DNA
<213> Glycine max

<223> Clone ID: 701038166H1

<400> 47424

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tacccaacac ctgcttctct ttctcatttc aaactccttc aagcaatgaa ttctcgaatc 120
aaagttcttc ctctctgaag cagcagattc tggagctagc taatagtccc agcacggta 180
aatggatgaa gagaataagg agggaaatcc acgagcaccc agaacttgca tatgaagagt 240
tcagaacaag tgctgtcata aggcgtgagc ttgacttgg 285

<210> 47425
<211> 288
<212> DNA
<213> Glycine max

<223> Clone ID: 701038168H1

<400> 47425

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cagccccgaca aaacaacaac tacagttcca gttgaaagag attcgcaacc tcaaccttat 180
gagccagaga agaagaagcc cgttgaggaa accgtcactc tcgagactca cctctccaaa 240
cccaacaatg ctgaccacac caacaacatc cctgaattca ttgaagaa 288

<210> 47426

<211> 285

<212> DNA

<213> Glycine max

<223> Clone ID: 701038171H1

<400> 47426

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ccccctttga ctttcaggtg cttctgttct cttcctgtta caccttcac ttcccatgct 180
agttacgacc ctaactccat ccacttgtcc aaccaagaaa gcaaaagacg cttgttcaac 240
aggctattat acagaagcaa gcagcgaggg ttctcgaac tcgat 285

<210> 47427

<211> 281

<212> DNA

<213> Glycine max

<223> Clone ID: 701038172H1

<400> 47427

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tgagatttgt atctcaagat tgggcggttt catgtgcact aataacttctg gtgtcatgca 120
caacataactc attagttct ttggggaaac ctgagaacaa catataaaca tctgtttta 180
aatcacccaa gattgagcta ggtccagggt tagttcaaa caaattttat tttgatgttg 240
actttccaag aggccatatt gcactcaaga gttcaatgc t 281

<210> 47428
<211> 284
<212> DNA
<213> Glycine max

<223> Clone ID: 701038173H1

<400> 47428

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tgtatgatcg tgagcattca aaaattggtt tctggaaaac taattgttct gagttatggg 180
aaagactaca tgtctcaaataat gccccaccac ccttgatgcc tcctaaatct gaaggaacaa 240
atttaaccaa agcatttaag ccctctgttg ctccatctcc atca 284

<210> 47429
<211> 281
<212> DNA
<213> Glycine max

<223> Clone ID: 701038175H1

<400> 47429

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caaacgcaga gttttcgcg tgatggatag tcgtcttcaa ggccagtatt cccttacaca 120
agctcaaagg gcagccaccc ttgctttca atgtcttgct gtagagccca aatacaggcc 180
aaatatggat gaggtggtga gaggatttga gcagctacgc gaatcaaata atgatcaggt 240
aaaaaatgggt gatcataaaa agcgttagtag agttagtgga t 281

<210> 47430
<211> 278
<212> DNA
<213> Glycine max

<223> Clone ID: 701038176H1

<400> 47430

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tagatgcaca gaactatatac ttcctcatca aacatattat actcgaacta catcaattaa 180
agtatcaatg gcagacccaaa atgagccgag tgaggttaat atgcagattg ggatcatgag 240
ggagaaaacctt aaagaaaacac tgccagtctc agttcaag 278

<210> 47431
<211> 283
<212> DNA
<213> Glycine max

<223> Clone ID: 701038177H1

<400> 47431

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ctgggttctct tgagcgggat gaagtatttg tgccaaagca gaagtccctgt atcaagtgg 120
actctaaata ccttaacaat cctccaggca gagtcctcac tcttgctgtc accctcacac 180
ttggttggcc cttgtacttg gctttaaatg tttctggaag gccttatgtat agatttgctt 240
gccactatga cccatatggc cccatttact ctgatcgtga acg 283

<210> 47432
<211> 281
<212> DNA
<213> Glycine max

<223> Clone ID: 701038178H1

<400> 47432

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tgcgttccgcctt cccactatcc caaacccaaa catatagttc tcgtcgacga 120
cgagggttta cctttacaag aggtgcattt tagaggctac tccaaaggAAC aacactccct 180
cttcctcactg gttactctgg ttttgcgtg tgcataaaaa gttcgccctcc tacctccgac 240
gaaaactctc actcttggga catgatagca gacccaaagac a 281

<210> 47433
<211> 287
<212> DNA
<213> Glycine max

<223> Clone ID: 701038179H1

<400> 47433

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gctcaacaac agggggacga aatggagtat gctgctgatg ataatgaaat ggccgaaagta 120
gaagatgaca tgtatccat tggttagagtg tttggtgatt cagagtcga atcagacgac 180
gatgatgaat atgactccat ggaaaatcgg atgacagata cctctgctgc agaagctagg 240
aaaggaaagg atatccaagg tattccttgg gatagactta gcattag 287

<210> 47434

<211> 284
<212> DNA
<213> Glycine max

<223> Clone ID: 701038181H1

<400> 47434

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ccgggtgcctc caaaacctac cctcagaag ccggtaccat tcgcaagaac ggctacatcg 120
tcatcaaagg acgcccctgc aaggttgtgg aagtttcgac ttccaaaact ggaaagcacg 180
gtcacgccaa gtgccacttt gtttgaattt atatttcac tgccaagaaa ctggaggata 240
ttgtgcctc ttctcacaac tgtgtatgttc ctcatgtgaa tcgt 284

<210> 47435

<211> 282
<212> DNA
<213> Glycine max

<223> Clone ID: 701038182H1

<400> 47435

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aatcctctat caccaaactc acctatacc tcaaactcaa ggccctatag tccaagcaag 120
tgagtgttgtt ttacaactta cacagcatgg aatatagtca atataactact tattcagcag 180
aaggtgttga ggcagaaact tacacaagta gctgcaccac cccatcaaga tccaagacgg 240
gaaccaccaa caacacaaga aggttcgtt atgaccaaat ca 282

<210> 47436

<211> 285
<212> DNA
<213> Glycine max

<223> Clone ID: 701038154H1

<400> 47436

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ctgtcggaact catggcgccct ctgaacccag gccaacgccta ctcccttcctt gacccctgtg 120
actgagcgtg tcggcgccctc cgtgtatgtg gctttctccg gcgtccatat ggccggcgag 180
tccgaccgaa actggagaaa ttgtactccct ttgtacagca tcggcgccct gcctctgttt 240
tcgtctcgac ggagcaagggaa atggggaggac acgggtcatgg ttcata 285

<210> 47437

<211> 294

<212> DNA

cttccgtggc agtggtagtt gccaaactag tagcaagaag taagtcacgt ttttctccgt 60
tttcattcat cacaatatta aagcctttag tttccttcag tatgggggac acttacgttt 120
tggccacaccc gaagcgcaac cgttccgatg acgtggacgg cggcgaggcg aagaagctgc 180
tgttgcagca gggcgaggca gaccggcg cgccgctggc gagcgcgcgg cacagatTCG 240
gggagcacgg cggggtaaac atgtcgatcg aggcgctggc gacgttcacg gtga 294

<210> 47438

<211> 287

<212> DNA

<213> Glycine max

<223> Clone ID: 701038131H1

<400> 47438

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gtaaggcaaa ggttcacatc agtattgtgg tcattggcca tgtcactct gggaaatcca 120  
ctaccactgg tcacctgatt tacaagcttg gaggcattga caagcgtgtt attgagaggt 180
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SIFTES\$D
032200

ttgagaagga agctgctgag atgaacaaga ggtcttcaa gtatgcctgg gtgctggaca 240
aacttaaggc tgagcgtgaa agaggaatca ccattgatat tgctttg 287

<210> 47439
<211> 238
<212> DNA
<213> Glycine max

<223> Clone ID: 701038132H1

<400> 47439

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gattctcagt tagttacctg tgtgtgtcct tatgccttc tgtttatgca tgcttatgga 120
tattaagata tttcatgtg gtatagattc tactttttt ttttatttagt gtggatataaa 180
ctctcttgtg tcgcaaagtt tttcccttc gtgatggaat atatggattt tgatagcc 238

<210> 47440
<211> 296
<212> DNA
<213> Glycine max

<223> Clone ID: 701038133H1

<400> 47440

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attcagctat gacgggagca caagctctgg tggctatcat accatcttagc ggtccccaa 120
atgcatatac ttcttccatc caaaatcccg gacccacact ggcagagggaa gccatcttt 180
ataatcctct caggattgac ggctaccat cagagcactg aggtcaccat ctatgctacc 240
ctcactcttc ccagtggtag cacacttgg tccaccttg gaacgatggc ctgtgt 296

<210> 47441
<211> 293
<212> DNA
<213> Glycine max

<223> Clone ID: 701038134H1

<400> 47441

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ctggaccctc tcttgtCCA acttacaaca tagatttagat attactttGA caagaaaACC 120
tagatcttc tcccCTctat gacCttctCA atataGactt gtatttAtAG aggtttcAGC 180
ttcaggGAAG atgataatGG tctaaaaAGA aaaaaAGCTT tgcatggcGA gccacagaAT 240
aggagaACTT ggTTTGTCTG agtcaAGACC ttcaACTCAC cacatccCTT atG 293

<210> 47442
<211> 289
<212> DNA
<213> Glycine max

<223> Clone ID: 701038135H1
<400> 47442

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actggggcccc acaggcggcg atactgagtc atgactcggt gggagggttc gtgactcact 120
gcgggtggaa ctcgggtttg gaggcggGtt gtgaagctgt gccaatggtg gcgtggcctc 180
tctacgcgga gcagaagatG aataaggta tcttggtgga ggaaatgaag gtgggttgg 240
cggtgaagca aaacaaagac ggcttagtga gttctaccga gttgaggga 289

<210> 47443
<211> 292
<212> DNA
<213> Glycine max

<223> Clone ID: 701038136H1
<400> 47443

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gcataccaaca atggccttgt tctctgctac cgcaaccgtt ctccctcgga acctcgcatt 120
cgcttcctcc accaaactct ccctctctca cagtcactct cttctacatc acttcctttc 180
attccccact cccaaatcat caaacccctcg caaccgggtc gcaatctctc tccaaacccc 240
acgcgctcaa tccggcgcgt ccgcctccgc ctccctccat ggcctctgct ac 292

<210> 47444
<211> 289
<212> DNA
<213> Glycine max

<223> Clone ID: 701038137H1

<400> 47444

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tttctcta at accctctgaa tcatacatcat catcatcatc attagtcatg gctcttgc 180
tatattttgt gcttttctt gccctcactg gccattcaag tgctcttac tgtgtatgca 240
aagatggtgt gggtgatcaa gctttcaga aagcaatacg ctatgcatg 289

<210> 47445

<211> 290

<212> DNA

<213> Glycine max

<223> Clone ID: 701038138H1

<400> 47445

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ctcaccctta cgccccacgc gattgcact taccggcta cgccctgc ttcccttcca 120
tgtccaacat tctctccgtc ttgcctcct cctcattgct catcgtca ctgcgtctgga 180
tcttctctgg acgcttaag aaaaccaaag ttgatagagt gctgatgtgc tggggcct 240
tcacaggctc cacacacatt attcttgagg gtttttgc tttctctcct 290

<210> 47446

<211> 265

<212> DNA

<213> Glycine max

<223> Clone ID: 701038139H1

<400> 47446

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tcaagttctt gcacactatg agaatcccc agtgtacaag cttccactg agaaaccacc 120
agtttataag cacccagttg agaagcctcc agtttacaag accccagttg aaaagcccc 180
aatttataag cttccagttg agaagccacc agtgtacaag ccaccagttg aggacgcccc 240
cgtgtacaag ccaccagttg agaaa 265

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<210>    47447
<211>    175
<212>    DNA
<213>    Glycine max

<223>    Clone ID: 701038140H1

<400>    47447

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atctgattac tcgttgtgta ctataaccaa attggtgcaa cccctttgc atctgatcct 120
agaatcaccaa gcctagctac ccgtttctta ccttctcatg acgtgttaatt ggttg 175
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<210> 47448
<211> 278
<212> DNA
<213> Glycine max

<223> Clone ID: 701038142H1

<400> 47448

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gtgaactctg ttgcgtgatt aaaacaagtc tgagaagaaa aacaaattag tccaaccttt 120
tggttgttca tggaaagtttag ttatatacaag ttgtgtttt gcattaagggg gttttgtca 180
atgatatgct aatttaata gatgttagatt tatgtcaatg atattgtatg ttaattttat 240
tcagtctcgat ctagtgcataaataaaga attataact 278

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<210>    47449
<211>    291
<212>    DNA
<213>    Glycine max

<223>    Clone ID: 701038144H1

<400>    47449

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ggtgtggctctt atcactggag cagcaagtgg gattggtaa gagacagtga gattgttcgc 120
tgaacatgga gcacttattg ttgcaacaga tattcaagat gaacaaggta accgagttgc 180
tgcttcaata gggtcagaga gagtgactta ccatcattgt gatgtgagag ataaaaacca 240
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agttgaagaa acaatcaatt tcactttgga aaaacatggt cgcatagatg t 291

<210> 47450

<211> 293

<212> DNA

<213> Glycine max

<223> Clone ID: 701038145H1

<400> 47450

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accacataac taatgcAAC accaaaggct accctgttat ggTCATTTC tctgCTTATT 120

ggTGCATGCC ttcaatAGCT atgaatCATT tCTTCAACA actggcCTCC acctatCAA 180

atgttCTCTT tctGAATGTT gatgttGATG aggtcaAGGA agttGCTTC aagttggAAA 240

ttaaAGCAAT tcctACCTTT tgTTGcatG aatggaggAG ctccAGTgGA tAA 293

<210> 47451

<211> 275

<212> DNA

<213> Glycine max

<223> Clone ID: 701038146H1

<400> 47451

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aggcgtactt gctTggTTCT agtcctACAG aagctacACG tttgcggACA ctgtcactGG 120

gctattCTTC aagtACTGGA gcaactCTGA agaaAGTGAG ttTAAGGCCA ccaacACATC 180

cacgacgaca ctcgcCTCCA ccaccaACTC ctggCTATTc tcctGAACCC ggtccaggAC 240

gaactcgaag attcctCCG actccaAGAC CTTC 275

<210> 47452

<211> 292

<212> DNA

<213> Glycine max

<223> Clone ID: 701038147H1

<400> 47452

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tgattttact ctctctctga attctctttt gtttctagt gctgggtgt aatttgaagg 120
agaattttta aagtgggttg gggttggttt tagaattctg tgactaacgc gtcctgggtc 180
accgtcccccc tcccttggat tccgctggta gtgtttttg tgcaggaaaa cagataaaagt 240
cggtggcttt attggaatat ggtgaaactt gtcactaacc tttattgttc tt 292

<210> 47453
<211> 299
<212> DNA
<213> Glycine max

<223> Clone ID: 701038148H1
<400> 47453

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aataaaaaaga cacaccaaag ataccattgt taaaagtttgcgcagcccta ggcacaaaaag 120
aaagtggta ttgatggcta ctcctccgt gaattcggtt ccaatagcat accaagcatg 180
gacaaggctg ggagtcccag attggttgaa caaaggagac aacgcattgc caatgggtc 240
agccaccccttgcgttggattt aaagcatgcc gggcctcgatc atcctctacg gaagcatcg 299

<210> 47454
<211> 281
<212> DNA
<213> Glycine max

<223> Clone ID: 701038149H1
<400> 47454

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atgacagcca cgttaaggca atcaagcaag ttgatgttgt aatatctaca ctaggtggac 120
agcagataga tgatcaagtg aaggtcatag cagcaataaa agaagctgga aacatcaaga 180
ggttccccc atccgaattt ggatttagatg tggatcatca caatgcagtt gagccagcag 240
caagctttt caacaaaaaa gtgaaaatca gaagggcaat t 281

<210> 47455
<211> 285
<212> DNA
<213> Glycine max

<223> Clone ID: 701038150H1

<400> 47455

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cgccatggcc acttccaatg gcttcgtcga cgccactccc tcggaatctg cattgatctt 120
tctcggcacc ggttgttcga gcatggttcc caacctcatg tgcctccttc agccttctga 180
ccctccctgc cccgtctgctg tccagtcatt gtccatccct cccgaacgaa accctaatta 240
caggtgcaat acgtctctcc taattgacta cggcgccgccc gcccgc 285

<210> 47456

<211> 300

<212> DNA

<213> Glycine max

<223> Clone ID: 701038151H1

<400> 47456

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cctaaggaaa aagttctacc gggattcctg ccctcaagcc gaggacatta ttaagaccaa 180
aacccagcag catgtgtctg ctaatcccga tttgccagcc aagttgctta gaatgcattt 240
tcatgattgt tttgtcaggg gttgtgatgc ctcaagtttgc ttgaactcta ctgccagtaa 300

<210> 47457

<211> 289

<212> DNA

<213> Glycine max

<223> Clone ID: 701038152H1

<400> 47457

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aatacaatgt tcccaattca cacccaccca ttctcaaccg ttggttcccc agtgattgtg 120
atccgtctgt taatcttcct ttcaaacatc atgacgagct catttgcaac tttgaagcac 180
cttttctgag ggagagagtc ttccactttt ctgcagagtc catagcaaaa ctgaaagcaa 240
aagccaactc agagtccaat accacaaaaa tctcttcatt ccagtcatt 289

<210> 47458
<211> 288
<212> DNA
<213> Glycine max

<223> Clone ID: 701038153H1

<400> 47458

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cttcaaaaag agacagggtgt gcagtctgat gattttgggg cctcaatccc tca~~c~~agaaaac 120
catacatttc atgatatgcc cgggagaatg acaccaggct ctcataattt tcccaatgat 180
gtcatcctga atttgaaaag aaaacaggat catgaagctt acccagatct cccactatca 240
aatcacgggc agaaacatgg atggctgccc tcgggcactt gtgctggg 288

<210> 47459
<211> 295
<212> DNA
<213> Glycine max

<223> Clone ID: 701038129H1

<400> 47459

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ttgttccttt gcggcttggt tctctgactg tgcgagctat tgttccgaaa agcaatggca 120
agtgcattga gtagcagagt tgaatctgtt cgaaactccc cctttctaag attttcgctc 180
aacttcatca gagcccttag ctcttcttcg tcttcttggt ctgccgttc ttctgctgag 240
aaccttaaga aatcaaagcg aaggaagacg aagaatttgt tcgaggtggc tcagt 295

<210> 47460
<211> 291
<212> DNA
<213> Glycine max

<223> Clone ID: 701038107H1

<400> 47460

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tgacaaggaa atcctcagca ttgtgaagga gagtttgac ttcaggcctg gcatgatctc 120

catcaacctt gatctcaaga ggggtggaaa tggcaggttc ttgaagactg ctgcataatgg 180
acactttggc agagatgacc ctgacttcac atgggaagtg gtgaagccac tcaaggggga 240
gaaggtaactg ctttaactaaa ggggttccaa cactcttggc caaggacttt t 291

<210> 47461
<211> 291
<212> DNA
<213> Glycine max

<223> Clone ID: 701038108H1

<400> 47461

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gccataacgt atgtacagta tgcataaaca tggttgtaat gcatggcgtg atattgtgtt 180
tattttcctg tcactagtct tttgagtagt ttcctgacat gctgtttca gtactattgt 240
tactctgctg aactattcca acattggaa ctgatctgtt tctaagtcat c 291

<210> 47462
<211> 290
<212> DNA
<213> Glycine max

<223> Clone ID: 701038109H1

<400> 47462

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caactgtgctg atgggagcat gtggatggag agtcagggtc agcaacagag ctatgccttc 120
caagaagagt cttggagccc tgataacaac tatggccaca accacaagca attcccaggc 180
atgcacatga acatgaacaa caacaacaac aacaaaaggc ttggtgattt tgccgctgtg 240
agatcagact tctcaatgcc aaaacatcat catggcgtg gcaacggcgt 290

<210> 47463
<211> 295
<212> DNA
<213> Glycine max

<223> Clone ID: 701038110H1

<400> 47463

cttcattaaa caatggccgt aaagcaagtg agattttca aggtcaagct ctcttgtaca 60
aacatttgct tggcttcata gattctaagt gtctaaaatg gatgggttag cttgacatac 120
ccgacataat ccacagccat agccatggcc aaccattac ttttcagag ttgggtgtcaa 180
ttctacaagt cccaccaact aaaactcgtc aggtgcagag cctcatgcgt tatctagcac 240
acaatggatt cttttagata gtaagaatcc atgacaacat agaagcatat gctct 295

<210> 47464

<211> 253
<212> DNA
<213> Glycine max

<223> Clone ID: 701038111H1

<400> 47464

agcaattcca aggcttagat gggtgatgag atcaccattg aagatgttga caaagctcaa 60
gaatgcttat atgaacttta tggtgagact gtcaaggaac gtaggtgcta tcaacagtga 120
taacatctt gaagtgaaac ggcattccaa aggctcgta agtgtataag gtttattcca 180
gtgatgaatt tgaggctagg ctcattttg agattctaa gacattggtt gcttcctatg 240
aaattcatcc cat 253

<210> 47465

<211> 295
<212> DNA
<213> Glycine max

<223> Clone ID: 701038112H1

<400> 47465

cgcgtcagag agagagaaga tgaagagcga aagcccattg gttggattct gcattgaggc 60
agcatgtgag accagagaaa gcgtggataa atggcggatg cagagccgca gtctcgatcg 120
cttgccttct catctcgccg actctctcct ccgcgcgcctc atcgccgcgc gccatctta 180
ccccctcttc ctcgagggtt tcaaacatag tgctgaagag gttgatgtga gacgggacaa 240
ctccgtggac gcagaatgga tggcgtattt gggagcatat cgtcacttgc gctac 295

<210> 47466

<211> 294
<212> DNA
<213> Glycine max

<223> Clone ID: 701038113H1

<400> 47466

cttttagcgc agcttcttct agatttaagg aagatgggta aggcaaaggt tcacatcagt 60
atttgtgtca ttggccatgt cgactctggg aaatccacta ccactggtca cctgatttac 120
aagcttggag gcattgacaa gcgtgttatt gagaggtttga aagaaggaaagc tgctgagatg 180
aacaagaggt cttcaagta tgcctgggtg ctggacaaac ttaaggctga gcgtgaaaga 240
ggaatcacca ttgatattgc tttgtggaag tttgacacaa caaagtatta ttgc 294

<210> 47467
<211> 286
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<223> Clone ID: 701038114H1

<400> 47467

gctctcctgc ggcaccgccc attgccgctc cgggaaagta gagtgcgctg gcccggcaaa 60
ccgcccggcga cattggcgga gttcaactctc aacgcgcgcg acggtttggc cttctacgac 120
gtgagtcggc tcgacggta caaccttccg atgctgatcg tcgccaaggc aggcatacagg 180
ggacggtgna gcccggccgg ttgcctccgt cgactcacag gcgggtgtcc agcggagctg 240
acggtggcgc gatcacacgg cagccgcggc gacctcgctg gcccgg 286

<210> 47468
<211> 299
<212> DNA
<213> Glycine max

<223> Clone ID: 701038115H1

<400> 47468

ctagaatcta ttattgcattt ggaactttctt gatccagctt ggccagcagc actattgaat 60
gatgtactac tcactttgca tgctcgaaaa aaggcttctc cagatatggc tgttactctt 120
cttcaaatttcaagaatatt tgctacccaaa gttccggaa aggttcatgc tgatgtgtt 180

caactgctct ggaagacttg tcttgttgaa gctggtcctg atggaaaaca taaagctta 240
gaaggcagtca caattgtact tgatctacca cctccgcagc ctgggtcaat gcttggtct 299

<210> 47469
<211> 301
<212> DNA
<213> Glycine max

<223> Clone ID: 701038116H1

<400> 47469

ctcgagcgct ttgaagatgt acttgatatt tatgagggaa gtattaagct tccaagtggaa 60
ccttagcga gtaaaactcag agaacttgtt ccctatgagc tgctgagaga acttattagg 120
aatgatggtg agagattcct caaattcccg gtgcctgatg tgatcaaagt gagtaagact 180
gcatggagga cagatgagga atttgcaagg gaaatgctt caggggttaa ccctgttatt 240
atccgcgtc ttcaggaatt tccccggcc agcaagctag attcaagagt ctatggagac 300
c 301

<210> 47470
<211> 279
<212> DNA
<213> Glycine max

<223> Clone ID: 701038120H1

<400> 47470

caaccagtta tttcaaaatt tagttacaat cattgggtct tattctctaa cattgatgtc 60
ttcattttttt ctatttttt ggacatgcag gcctccagtc agttttcttt gtccattgtt 120
tgtttctgtt cggtaatga agagtgattc ccggtccagc aaccagcgat gtctcgctt 180
ttgggttttg tattccttgc gtatgatcat ggaaggggaa ctttcagtgc tatttaactg 240
cctcccatgg tggcctcatg tgaaatccat agcaactat 279

<210> 47471
<211> 273
<212> DNA
<213> Glycine max

<223> Clone ID: 701038121H1

47471

gtggtttcag tgagtgatcg gtgttcaatt gatccttcat aagtcgtcat catcatcatc 60
atcatcaccc ttgattgaag aagatgccga tcagaaacat cgccatcgga aggcctgaag 120
aggctactca ccccgacacg ttgaaggcgg gtttggtcgat gttcatctcc accttgcatct 180
tcgtgttcgc cggttcaggt tccggcatcg cctacaacaa gctcaccgac aacggcgccg 240
ccactccccgc cggcctcatc tccgcttcca tcg 273

47472

<211> 290

<212> DNA

<213> Glycine max

Clone ID: 701038123H1

47472

cgacaccaga ggaacaaccc aaggcagagg agaaaaaaacc agaggaagag aagaagaaaag 60
aagaagcagc agcagcggaa aaaccaagcg aagagaaaaa accggaacaa gagtcgaaag 120
aggaagttgc tgctccgcca ccgccaccgc caccggccga gattgtgctc aaagtgttca 180
tgcattgcga gggttgcgct cgcaaggctc gtgcgtccct caaaggattc ccagggcgt 240
acgatgttgt caccgattgc aaatctcaca aggtggtcgt taagggagag 290

47473

<211> 293

<212> DNA

<213> Glycine max

Clone ID: 701038124H1

47473

attttgggat ccctgggtgct gttaccgtgg ttaacggctt tgacaatgag ttcttcttgg 60
acagcataac catggcacaa aatgttcatt ttgcttgcaa atcttgggtt caaccataca 120
agcttgaccc agagaagaga attttcttgc ttaacaaggt gtatctaccc tgtgaaacac 180
caattgggtt gaaagaacta agagaaaagg aactgaaaca gctaagggtt gatggatggg 240
gacttagggat atcttctgtt agaatctatg actatgtatgt atacaatgtt ttg 293

095311415000

<210> 47474
<211> 291
<212> DNA
<213> Glycine max

<223> Clone ID: 701038125H1

<400> 47474

atcgcgatcc caccaccgca tcatgtccga accagaagcc gcttcggta tgtggcaact 60
catgcaagcc gtggcgact gccaccgcct cgccgtcgca caccgagacg taaaacccga 120
taacattctc ttcatgagg agaatcggtt caaaattagcc gatttcggct cgctgacac 180
ttttaaggag ggcgagccga tgagcgggt ggctggcag ccgcattacg tggcgccgga 240
agtcctcgcc ggaagggatt acaacgagaa ggtcgacgtg tggagcgccg g 291

<210> 47475
<211> 292
<212> DNA
<213> Glycine max

<223> Clone ID: 701038126H1

<400> 47475

ctggcttag gtgttcctgc tcttcgttg acatacggtt ctcacgttct ggcagttgtt 60
gccagcgctt tggcggtt ctgggtcgca aatttcagggtt gtggcttggc ttgggattct 120
gataacaagt ccctcatctt caacattcat ccagttctta ttgttattgg cttaactatgtt 180
catgggggtt aagctattat aagttacaaa gctttcccc taaagaagga agtgaagaaaa 240
ttgatacacc ttgtttcca tgccatcgca ttaatacttg gaatagttgg aa 292

<210> 47476
<211> 290
<212> DNA
<213> Glycine max

<223> Clone ID: 701038127H1

<400> 47476

catatcatgg gttcagaaaa ttgtatagat aagacgcact ttgtgctgtt gcatggggca 60
tgccatggag catgggtttt gtataagctt aagccacgtt tggcatctgc tggccacaag 120
gtcacagtgc ttgacattgc agcttcttgg accaacatga agaaaattga agatgttgac 180

acttttcac agtatactga gccttggtt tttctattgg acacaattcc ctcaaatgaa 240
aaggtagttc tagttggtca cagcttgga gggctgaaca tagcacttgc 290

<210> 47477
<211> 295
<212> DNA
<213> Glycine max

<223> Clone ID: 701038128H1

<400> 47477

cgcacacaaa cacttggtt tttgttacca tcttccaaaa atatcatgct cctaacgtaa 60
aaatcctcg tttcaacgtt caactgcgtat ctctaaacaa aaccatggca tcactctcag 120
gcatttgctc ctctccccca actctcaaaa aattcccgaa ccaatccccca tcgttgaccg 180
accctctccg caaagaccac gtgtccttcc ccgccccccg cgccgatcgg actctcagcc 240
tcgcgcacccca tcctcgtcg gtggctcgtg aggtttccga cggagcattg gcccgc 295

<210> 47478
<211> 305
<212> DNA
<213> Glycine max

<223> Clone ID: 701038101H1

<400> 47478

agaaaacaac accatttgat ccaacagaca cactccctct ctctcttgat cattctctct 60
cagtgccttc gatctccatc tgcaacttcc ttgtctgaca gatcctgtgt tccggagaaa 120
ggaaaggaaa ggaaagatgt cggggcaaac gcagcgtctg aacgtggtcc ccaccgtgac 180
gatgctggga gtggtgaagg cccgatttgtt cggcgccacg cgctgccacg cgctcctgaa 240
gaagaagagc gacgcgcctca cggcgcgtttt ccgcccagatc ctgaaggcaga tcgtctccac 300
aaaag 305

<210> 47479
<211> 270
<212> DNA
<213> Glycine max

<223> Clone ID: 701038068H1

<400> 47479

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atatccaact acttgtccgt tggagtgggc tggatgcagag gatccacttt ttctactcta 120
tacaagtggg agcacagaaa acctaagggt gtcctccata caactggtgg ttacatggtg 180
tacactgcaa caacattaa gtatgcattt gactacaagc cgtctgacat ctactggtgt 240
acagctgatt gtgggtggat tactggcac 270

<210> 47480
<211> 270
<212> DNA
<213> Glycine max

<223> Clone ID: 701038069H1

<400> 47480

tcgcaccgaa tcggctcagg tgtgatttag tttggctgtc acaatcttc tctcatacga 60
aaatgtcaact catctagcaa actccgcctt ctacaactct ctcttctgca tctcccattc 120
acagaacaat aacaaataca ccacattctc cttctcgctt cgtcctccaa caactcttca 180
cttcaatccc cacaggtccc tccctctaatt tcgcgcttcc aattcttcta tcaatgtgc 240
ttcgaccact gaactggacg ctgtgtccgc 270

<210> 47481
<211> 274
<212> DNA
<213> Glycine max

<223> Clone ID: 701038071H1

<400> 47481

cggttcggat ttggtttcca ttgggtggct taac 274
aaaaaaatgcc gtgcctcaac ctcagcacca acgtgtccct cgaaggcgtc gacacctttt 120
ccatcctcgc cgaagccact cctccgtcgc cagcataatc ggcaaaccgg aagcctatgt 180
gatgattgta ctgaaaggat cagtaccat agcttttgtt gggaatgagc agccagcagc 240

<210> 47482
<211> 273
<212> DNA
<213> Glycine max

<223> Clone ID: 701038072H1

<400> 47482

gcgaagacta gatctgatct gagagaatgg ctccctcggtc tagcagcaag gacgccaaag 60
acctttccg cgctttgg tctgctttagt ctgcaacccc cactaatctc aagatcattg 120
atctctatgt catctatgct tattcaccgc ttcatccag gttgttaca tggcttttgt 180
tggatcattt ccatttaact ccttcctatac aggagtactt tcttgtagtgaactgctgt 240
tcttgctgtt tgtctcagga tccaagtgaa taa 273

<210> 47483
<211> 271
<212> DNA
<213> Glycine max

<223> Clone ID: 701038073H1

<400> 47483

ctcactcttgc ttcttcgggtc tcctcctatt ctccgctgcc gtagccaccc tcgaacgaat 60
cgacgatgaa gacaaccttc tgatccgtca agtggtgccg gacgcggagg accaccacct 120
gctcaacgcg gacaccactc tccgccttca agacaaagtt cgccaagacc tacgccacgc 180
aggaggagca cgaccaccgc ttccgtatct tcaagaacaa cttgctccgc gccaaagtgc 240
accagaaaatt ggaccctcc gcccgtccacg g 271

<210> 47484
<211> 270
<212> DNA
<213> Glycine max

<223> Clone ID: 701038074H1

<400> 47484

gtttgacaca ttgattcggtt gtttcctctg caaaattaaa tcctcattgt gattgttgc 60
.gaacaattga agtgtctctc cgatttgagg attccggcga cagacagcga tgaccaccgg 120
cggcgacggc gacacacctaa acaagagctc ttccaccta tcaaacgctt cggagcttgc 180

gtcactttca agatctccaa tctgttctct ctctctctcc acggcctcga tatacgctct 240
atcggggcag ttgctggtct tgctgttgca 270

<210> 47485
<211> 270
<212> DNA
<213> Glycine max

<223> Clone ID: 701038075H1

<400> 47485

gcaccattac ttgatgctgt ttatgatgct ggctttctct gtgctatttg attctgtgaa 60
agctccaggc ctcggattag gtgctaggta catgtttacc atggcagttg gtcgccttct 120
tcgtgccata acttttgate tacaattctg ccatcagctc gcccttggtg tgctggttct 180
cggttcagag ttccggata tcctcatcgt tgggctcaga aatattatgt tccctatgct 240
acagatcatg atgctatcag ccgggtgata 270

<210> 47486
<211> 269
<212> DNA
<213> Glycine max

<223> Clone ID: 701038078H1

<400> 47486

ccaagacata gcaaacgatc caaactcttt tttcatttgc agcatcaaaa tgagtggtag 60
caacgatggc cgccggactg gagctctagg ttttgaagg tggctagtgc agctgccgct 120
acagccgccc ttgccccgtt tatatgcca ttctttcata ctcaacctct gctagctctg 180
agatggaagt gccgtttggc agcgcacggc gtgagagcaa agaacgtgac gatggtagct 240
ccgggtctca tcctcgcgag ggtgccacc 269

<210> 47487
<211> 275
<212> DNA
<213> Glycine max

<223> Clone ID: 701038079H1

<400> 47487

gtgatttcag tgagtgatcg gtgttcaact gat~~t~~catca taatcgtcag cgtcaattga 60
agaagatgcc gatcagaaaac atcggccgtcg gaaggcctga agaggcgact caccggaca 120
cggtgaaggc ggctttggcg agttcatctc aaccttcatc ttctgttgc ccggctcagg 180
ctccggcata gcctacaaca agctcaccga caacggcgct gccaccctg ccggcctcat 240
ctccgcctcc atcgccccatg cattcgccct ctgcg 275

<210>	47488
<211>	270
<212>	DNA
<213>	Glycine max

<223> Clone ID: 701038082H1

<400> 47488

cacccaccac ccaccgccc cacattcaca ccacgcgccc cggcttccaa ttccccggaa 60
gaccgcacct ttgcatggca gtgagcttgc tggcgccgat tgtatcgac ctctgccttg 120
ggaaggccgcc gctgagtcgc tctccgcccgc cgccaccgtc gccgacgcct tggccgcgct 180
caagagctcc gaccacgaga cccacgtcag cttgtggagc ttctgcgaga acaagaacgaa 240
ggttcggtgc gttggaaac tgtgcattgtt 270

<210>	47489
<211>	269
<212>	DNA
<213>	Glycine max

<223> Clone ID: 701038083H1

<400> 47489

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cagtttcctt ttctctgaaa aaacatgttg agggttgcag ctagaaggct ctcttcttctt 120
ctctcatctt cttctcggtt cgccccaaatc acggccgttc cgctttctc tctcgaaacg 180
acgtcgctgtt cgatgaccgc agatctgctc cttcctccca tcccccttctt cccttcagag 240
gttatgctac tgaatccctg atccacacaca 269

<210> 47490
<211> 269

<212> DNA
<213> Glycine max

<223> Clone ID: 701038084H1

<400> 47490

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gcaacattta taggtctctt agagtatggg agggctaattt aatgggttgt gactgaaaaaa 120
cttggtgact ctgtcataat aataagaata aatcaggaga tgctgccaag aagaataatg 180
ccatcaaggc cacccccaaa aagactcgat ccaaattttgt tgaaagactt aatttactgg 240
agttgggatt tgctgccttc ctttcgta 269

<210> 47491
<211> 268
<212> DNA
<213> Glycine max

<223> Clone ID: 701038085H1

<400> 47491

cagacgccgt agagtcagag agagagattt actgaaacag agcgcagaag aaaatacata 60
aactaatcca gaaaatgagc agcggcgctg gaaagggtggt gtgtgtcacc ggcgcttccg 120
gttacattgc ttctggata gtcaaattcc tcctcaatcg cggctacacc gttaaggcca 180
ccgttcgcga cacaagtgtat ccgaaaaaaaaaa taaaccactt ggttggcctc gacggtgcta 240
aggagaggct gcacctctac aaggcgaa 268

<210> 47492
<211> 271
<212> DNA
<213> Glycine max

<223> Clone ID: 701038086H1

<400> 47492

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ctcggcttct tggacagagc agccaccgtc cacggcgacg tcccttccgt tggttataac 120
aacaccaccc tcacgtgtcc cagacgcgcc gccgatgcct ccagctggcc tccgcccctct 180
cctcccttgg tatccgcccgc ggcagcgtcg tctccgtcgt ggcccccaac atccccgcca 240

tgtacgagct ccacttcgcc gtc
ccc cttcg c

271

<210> 47493
<211> 270
<212> DNA
<213> Glycine max

<223> Clone ID: 701038087H1

<400> 47493

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gtccccaccgg ggagagcgtg aagcgtgacg gggtagcat cggagaagtt gtgatgaaag 120
gagggtgtgt gatgttggct acctaaaaga cccttcggga acagcaagtt gttcaagaa 180
cggttggttc tacaccggag atgttggtgt gatgcatgaa gatgggtact tggagatcaa 240
agataggtca aaggatgtta taatcagtgg 270

<210> 47494
<211> 270
<212> DNA
<213> Glycine max

<223> Clone ID: 701038089H1

<400> 47494

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tgtatttctg tctttggcat cgctgtggtg gctgaagatc catataggtt ctacacccgg 120
aatgttacat acggagcatt tatccacttg gtgttcgcca acaggaaata cttatcaacg 180
gtcaattccc aggtccagac attcattctg ttaccaacga caacccatc atcaatgtct 240
tcaacagctt ggaccagcca tttctccctct 270

<210> 47495
<211> 266
<212> DNA
<213> Glycine max

<223> Clone ID: 701038090H1

<400> 47495

gtgagacagt gtaactcgga agcgcacagc aatggcaaga gcgactctcc ttca
cttgct 60

gcggtcacag agcctccgcc acgtgtccaa aaacgctcct tcagcatatc gttgtttgg 120
gtcctctacc tgtcacgacc cattagcccc aatccatcat tcaaaaacttc ctcccatctt 180
gctgtttcc aaagaagatg ggcacaccaa atcccaacta cagaggaaga cgacaagatt 240
agcatcgac ctcgttagtgg aggaca 266

<210> 47496
<211> 269
<212> DNA
<213> Glycine max

<223> Clone ID: 701038091H1

<400> 47496

ggatccgtga ttttgattca tctgtacttg tagagcctt ttctactgca aaggatgga 60
tgacaagtgc taactaagca ctttcttctt cttttcttc atcccttcat cgccaaacac 120
aatgaaggaa ttggggtggt tgcaatcctc ttttcaatag agttcttgga cgttatcgac 180
tacactgtaa gcaaagcagc catgaagaag ggcatgaatg actttgtctt tgtcatgtac 240
tccaatgcct tcgcaacttg cctcctcct 269

<210> 47497
<211> 271
<212> DNA
<213> Glycine max

<223> Clone ID: 701038092H1

<400> 47497

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cctgttatgt gaaaatcttg gattagaaaa aggtacttg aaaaatgcat tttatggatc 120
aagaggtcca aattttcgga caaaggtagc aaactaccct gcatgccaa agccagatgt 180
ggtaagggt ctctgtgcac atacggatgc gggtggatt atccttctt tgcaagatga 240
caaggtcagt ggcttcagc ttctcaaaaa t 271

<210> 47498
<211> 265
<212> DNA
<213> Glycine max

1234567890

<223> Clone ID: 701038093H1

<400> 47498

cttccttct gtaaactggc ttatttctta ttcaaaatac tcaacggcac ttgaaacctt 60
ttatgagcaa tttgatccag attttatcaa cattaggaca aaggctcgta aagttctgca 120
aaggaaagat gacctgatga aattgttcag ctgtggca aggatgctt agctgaagga 180
gataagatca ccttagaaac tgcaaagctt ttgagagagg attatcttgc tcaaaatgcc 240
tttacaccat atgacaaatt ctgcc 265

<210> 47499
<211> 269
<212> DNA
<213> Glycine max

<223> Clone ID: 701038094H1

<400> 47499

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gggaaattgt gtaagcttag acgcatactcc tggatgcat gaccataatt ggattggcgt 120
tgcgtttgt gcaatatcgt cgtacccat gaaacactct cagcaatgag ttttcagaa 180
acagaatatc cattccattt gttggtgat attcgagtgg atttatatgg agattttagat 240
ctagaacttg ttttagacaa atcagatca 269

<210> 47500
<211> 274
<212> DNA
<213> Glycine max

<223> Clone ID: 701038096H1

<400> 47500

gttattcctt gttcacttg tatgcttag tttctagcat cgatcactcc taattacttg 60
ctgcatttct ctactccttg tgcttgacac tttgtcatt taaaatggaa cttaatttta 120
agtaccaact tagccttct ctgttacact gctttaccc gcccgtgtta cctctcaaga 180
ctctttacg tgctccagag caacctatta tggtagccca gattgttatg gaaatccaag 240
gggagcttgt ggcttggag aatatggaaa aacg 274

1

<210> 47501
<211> 273
<212> DNA
<213> Glycine max

<223> Clone ID: 701038067H1

<400> 47501

ctaaactccct acccttattcc gctttctctc atccatcatg aaacgaggaa agtccaagac 60
cgaatctaag agagccgatg ccaaacttgc tgtgaataag aagggcgccg ccaccaagac 120
taggaaaccc gccggaaagg gaaggcagcg aaagatccta acaagccaaa gagggctcca 180
agtgcatttc tcgttttcat ggaggaattc aggaaggtgt tcaacaagga acatccgac 240
aacaaagcag tgtctgctgt gggcaaagct gct 273

<210> 47502
<211> 275
<212> DNA
<213> Glycine max

<223> Clone ID: 701038038H1

<400> 47502

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atcctgcaac tcaaattatc atgcaagact ccagctaat gaagatctcc cctctggatc 120
tcatgtccgc catttcaag ggaagctcgaa cccctccaaac gtctcccttcc ccaccaacgc 180
cgccgcccccc gccgcattcc tcctcgagaa ccgcgacttc ctcatgctcc tcaccaccc 240
cgtcggcgtc ctcatcggt gcgtcgctgt ctta 275

<210> 47503
<211> 277
<212> DNA
<213> Glycine max

<223> Clone ID: 701038041H1

<400> 47503

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agtggaaagaa cttatacatt tcgagatgg gaaaaatgg ccaacaaggt atttgacg 120

agatattgca gtgctggatg tctcctgccataacttggaaaagagttttggcatgaa 180
ttgggttgtgg aaaaatggaa actgttgaat atgcatgtga tggtgatggc agtgccttt 240
catcatctcc cactgaccaggcttgtaaca gcaaatg 277

<210> 47504
<211> 277
<212> DNA
<213> Glycine max

<223> Clone ID: 701038042H1

<400> 47504

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caattttcag gaagaaaaccc atttgccaaatcgattccat gcttggaaaa gagagcactt 120
gccttcatttgcgttaaacc atgttggtag agaatcaagt tggagagcat accaccagac 180
tgccagtgtgtcagacccaa gtatcagatc cagcagctt cgtttaagac acgaatccga 240
cagaatgcct tcacaaaatc ggtgatatac ttgtttt 277

<210> 47505
<211> 275
<212> DNA
<213> Glycine max

<223> Clone ID: 701038043H1

<400> 47505

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cgagggttttc aattctccat tgagatccct catctggta ctttcaaattt ttgaggcacc 180
ttcgatccctgttggccaatgttgcagctttt gactttttt ctcaacatgg gtgggagcga 240
gactcgaagg gtgtggttat gggtcgtttt gttga 275

<210> 47506
<211> 274
<212> DNA
<213> Glycine max

<223> Clone ID: 701038044H1

<400> 47506

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gtgcagagga aggttcatct acaggtcctt tgcaatctca ttatttgtga ccatatgctt 120
tatatggcat tacagattta gcacataaca aagggtgaag atggaaactg ggcacacttt 180
ggtatgcttg cttagagct gtggttggc ttttactggg tccttactca agcccttaga 240
tggAACCTTG TGGTTCAGACA ACCCTTCAAA AACA 274

<210> 47507

<211> 273

<212> DNA

<213> Glycine max

<223> Clone ID: 701038045H1

<400> 47507

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gggacgcattc gccaccgtga cggggcgcc cgagaccttc gaggccggag cgtccattct 120
ccatccaaag aacctgcaca catggattac gttaagatcc tgaagctgaa ggtcaaagag 180
ccgaccgcgt cggaggattc cctctctctc ggcattttggg atggaaacaa gttcgtttc 240
aaaacggtgt cgccgcttag ttccactgtt ccc 273

<210> 47508

<211> 278

<212> DNA

<213> Glycine max

<223> Clone ID: 701038046H1

<400> 47508

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gggcttcctc cattttata gcgacggttc cattttccgt tccaacgaca tagaattcaa 120
agtttccacc attcaagaca atccataacc tataaagatt atctcttga caagagattc 180
aacctttctc ttgcgttcta caagccccaa cacgttagcac ccatagacaa taacaagaag 240
tttcctattt tgatgttcct tcacggtgaa ggcttttg 278

<210> 47509
<211> 278
<212> DNA
<213> Glycine max

<223> Clone ID: 701038047H1

<400> 47509

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tcaattcaa agccaaaaat gtcaaccacc attgatgtcc ctgcagaaac gacaagcaag 120
aataatattg gcaatggaat tagaaagttc caggtgcacc cccaaggcca gaaggagggt 180
ggaagacagg gttagccata atagactttg ttcttaagggtt aggtgttatt gcatctgctc 240
ttggtgctgc tgccaccatg gcaacgagtg atgagaca 278

<210> 47510
<211> 122
<212> DNA
<213> Glycine max

<223> Clone ID: 701038048H1

<400> 47510

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cttggctctg acatcctctg ttgtctctgc ctatgaccct agtcctcttc aagatttttg 120
tg 122

<210> 47511
<211> 272
<212> DNA
<213> Glycine max

<223> Clone ID: 701038049H1

<400> 47511

accaaatctc cgttgcttcc ttactctcca gcgcctactc atatcacaga tcatggataa 60
ttcatagtagtac tactatttcg tacaagtatt cacgaaccat tccattccaa tttccattca 120
gcagcaacca aatcaccatc tctttgcat cattagttt ttagtttagat taccctcttc 180
cgtttcaccc tcctttcatg cttacgtcac caccactcac tcttttcta ccctaaacca 240
ttgaatcgat ctaaatctct cccaaatcgc aa 272

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2
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<210> 47512
<211> 274
<212> DNA
<213> Glycine max

<223> Clone ID: 701038051H1

<400> 47512

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aaggctactt caagaggtat caagtcaagt tcaagagaag aagagagggaa aaaaccgatt 120
accgtgccag gattcggtta ttaatcagga caagaacaaa tataacaccc cgaaatatcg 180
ctttgttgtt cgtttcagca acaaagacat tgttgcacaa ataatatctg cttagcattgc 240
tggcgatatt gttcttgctg cagcatatgc acat 274

<210> 47513
<211> 271
<212> DNA
<213> Glycine max

<223> Clone ID: 701038052H1

<400> 47513

cttgtttctg tctgcaattt tcaattccaa ctctctctca catgcaattc tccatccaac 60
aaaagtttct catcatttct gtttcccata agcaattaat taaaatactg aatttggtat 120
aatttcttcc tcaaataatat tagtttaca attattttat ttcttttcc ttggattgtt 180
gccggggttt cttgttgtga gagaaaaacc tttattctct gttttggaa catctggggt 240
ctcaatttag tggaaagttaa atttgaaac t 271

<210> 47514
<211> 274
<212> DNA
<213> Glycine max

<223> Clone ID: 701038053H1

<400> 47514

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tacaaggtaa gagcaagtgg tagggacagg tgcagatcca aaacctggac tcttccccctc 120

ttatcccagc atgaactcaa tacagctcca agtttgcacat tggccacatg gcttccacct 180
caagcttctg cacctgcctt ccttgaaaaa ggagcaaggc aatggcgaag tggagattgg 240
atgtgctcaa attgcaacaa tcataattat gctt 274

<210> 47515
<211> 273
<212> DNA
<213> Glycine max

<223> Clone ID: 701038054H1
<400> 47515

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acgtgttttc tctcttagatt ctgctcttaa acgccgtcg tttcaaaactc ttttttccc 120
cttcgcttct ctgtctttgt accgaaaggg gggaaaatat aattaacacc gatttcgcga 180
ccaattcttc ttctgcgttg aattgggaca acgagaaatt ggatctcagt ttttggcagg 240
aaataaaaat tgcatggag tgtaaaataa cag 273

<210> 47516
<211> 275
<212> DNA
<213> Glycine max

<223> Clone ID: 701038055H1
<400> 47516

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caatccctcg ctccgactgt gtgcgcgtgt gatgctaaca tcaacaaaga tggtgtattt 120
caattgattc aagcacatca gaaaaagctg ctagacttcc accagttgag gaaattcgaa 180
ctgtccttga tcgtagcgtg cgtggatgc tctctacatt ctcgaagaag ttcgatggtt 240
atccatcagg gtctatggtt gactttgctt gtgat 275

<210> 47517
<211> 85
<212> DNA
<213> Glycine max

<223> Clone ID: 701038056H1

<400> 47517

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aatccctgat tgtacatcct gaggc 85

<210> 47518
<211> 275
<212> DNA
<213> Glycine max

<223> Clone ID: 701038057H1

<400> 47518

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aatagaggtg ttttcaaag ctcaccggtg caacaaatga tggccagaaa ccctaacaac 120
tggtggaaaca tcaacaccat cgccctcctc ctccctctca agcttctgca cctttcttct 180
ccactccttc caactttcta actccttata accccacttc tcttcctt ccttcttggc 240
atgacaacaa tcaagagcta cccgagtcat ggagc 275

<210> 47519
<211> 275
<212> DNA
<213> Glycine max

<223> Clone ID: 701038058H1

<400> 47519

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cgacgatgga gacaaccttc tgatccgtca agtggtgccg gacgcggagg accaccacgt 120
gctcaacgcg gagcatcaactccgcctt caagacaaag ttcgacacga cctacgccac 180
gcacgaggag cacgaccacc gcttccggat cttcaagtac cacttgcgtcc gggccaagtc 240
gcccagaca ttggaccctt ccgtcggtcc cgccg 275

<210> 47520
<211> 270
<212> DNA
<213> Glycine max

<223> Clone ID: 701038059H1

09/09/2020

<400> 47520

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ctcttactag gcccacaatc ttttctcgat cttccaataa tatctctctc tttcgctctc 120
aatctcattt ccctgctgcg cattcggttc cttgacacgt tccaaacccac acgtgcacgc 180
cgctgtcact tccgactcca aggccgctac ttgcgttgac ctaactcaac ccgatctcga 240
taatagcggc ggcggtgcca acggtaacgg 270

<210> 47521

<211> 267

<212> DNA

<213> Glycine max

<223> Clone ID: 701038061H1

<400> 47521

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gtgagaatgg tctaagaagc ctgcattggc gagccaaaga attggagaca cgggtttgtc 120
tgagtcggga cttcaagtc ccatgttccct tatggagtcc ttcatggat tagtacttca 180
tcaggcctaa tcaatcaagg gtctgctttt gctttgggg agttggaaga ggcaattgtt 240
ctgcaaggca ttaagataag aaatgat 267

<210> 47522

<211> 275

<212> DNA

<213> Glycine max

<223> clone ID: 701038063H1

<400> 47522

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ttctctccaa aaccacctcc gaatccgacg tctctgtcca ctcAACCTTC gcttctcgat	120
atgtcagaac ttgcgttccc agtttaagat gccggaggag tcgataccaa aggccggcagc	180
gtatcacata ataaacgatg agttgatgtt ggatggAAC ccaaggTTGA acttggcatc	240
atttgtgaca acctggatgg agccagagtG tgata	275

SPECS

<210> 47523
<211> 109
<212> DNA
<213> Glycine max

<223> Clone ID: 701038064H1

<400> 47523

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agattttatc a acatttagga caaaggctcg tgaagttctg cacaaggga 109

<210> 47524
<211> 273
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<223> Clone ID: 701038065H1

<400> 47524

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taacagaaaa tgaggggggg cttatggcaa ctcgggcaat caatcactcg ccgtcttgcc 120
cagggtgata agaaggctt gctcgttaggt attttgcctc agatgctgag ctgaaaaaga 180
cagtcgttta tgacttccat gttgcta atg gagggaa agat ggtgccattt gctggatgga 240
gcatgccaat tcaatataag gactcaatta tgg 273

<210> 47525
<211> 273
<212> DNA
<213> Glycine max

<223> Clone ID: 701038066H1

<400> 47525

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tgctgctgtc ttcatagcat tttggatccc tataattcaa gaagtattgg gtttgaagtt 120
attcacaagt gagaattcc taagctctac aaatggagcc aagagttcat caaccaccct 180
gttgtcaaac aagtccctcc tccttagagat caacttttg cttctacaa agcctgcat 240
gaaagtctt ctgcttcaaa atagacttat tta 273

DRAFT GENOME

<210> 47526
<211> 271
<212> DNA
<213> Glycine max

<223> Clone ID: 701038037H1

<400> 47526

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acaacgtggc gctgcaatta tcaaagctag aaagcttca agtgcactat cagctgctag 120
tgctgcttgt gaccatatta agattgggtt cttggaaactc ctcaggcac ctgggtgtca 180
atgggagttt attctgatgg ttcctacaat gttccagctg gactgatcta ttcatccct 240
gtcacttgtt ccaatgggg aatggacaata g 271

<210> 47527
<211> 128
<212> DNA
<213> Glycine max

<223> Clone ID: 701038006H1

<400> 47527

caacaactca aactcaagca agcctctctc gtatactctt agcttttatt ccttctctct 60
ctctctctcg ctctcttgc gtgctaaaac agctgactaa gagaagatat agccatatat 120
gtactctc 128

<210> 47528
<211> 91
<212> DNA
<213> Glycine max

<223> Clone ID: 701038008H1

<400> 47528

ctttccaatt tgaattgttc cattttcatt tctttcgcaa aagctgcaac tacttgctca 60
gaaaaacagt ttcttaaggccatcca g 91

<210> 47529
<211> 282
<212> DNA

<213> Glycine max

<223> Clone ID: 701038009H1

<400> 47529

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tgaaaaatggca ccgctgacca gacagacgac ttacgacaac gtcccacaac cccatgccat 120
cctctactac tccccagagaa cttccaagga ggccttctca ttactgaagc cactggcgac 180
tctgacacgg ctcaaggcta tccgcaaacc cctggcatat ggactaaaga ccatgttcaa 240
gcttggaaac ccattgtcga tgccgtccac gccaaaggcg gt 282

<210> 47530

<211> 282

<212> DNA

<213> Glycine max

<223> Clone ID: 701038010H1

<400> 47530

gaaacaccac catagtttt gtgttaactta aacgttagaaa atattatcaa gttgttgcac 60
aaatcattat gggtaactctc atgcttctca agaagttcac ctcctcttt ctcctcattt 120
ctggatcact tttatcaact tcctttgcag gtagagtacg atccaaactct atcaagaact 180
tcgctaaaga tgtgaatgca atcgaagagg gaacaccaag gaaaccactg aataaggaag 240
aagtaagaac catccatgag aggcttctta gggctaacac aa 282

<210> 47531

<211> 93

<212> DNA

<213> Glycine max

<223> Clone ID: 701038014H1

<400> 47531

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ccacacaccc ttacaccgac acttctctct ctg 93

<210> 47532

<211> 283

<212> DNA

09534416
1038016
<213> Glycine max

<223> Clone ID: 701038015H1

<400> 47532

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tgtttactgt aatgatcttgc tcccgagggtt gcctacgt gacaaggcaa tggatgttcaa 120
gcactttggg acatgtctt tctttacaga cgctatgaac tcgagggtct tgaagagcaa 180
tggaaataaga actacttctc actctgggtgt gtgataccca tggcatacaa cgcgattttta 240
gaaataataa ggagtttcat tattgcccgc caaaatggag ctt 283

<210> 47533

<211> 87

<212> DNA

<213> Glycine max

<223> Clone ID: 701038016H1

<400> 47533

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agcgaatttt ccattcttca attttttc 87

<210> 47534

<211> 276

<212> DNA

<213> Glycine max

<223> Clone ID: 701038017H1

<400> 47534

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tatatagtga aatgaaatgc tattaagaat ttaagtccaa aataactaatg attggcctga 180
caaaaggcag aataataagt gttgattgtt acacaatgtt ggcattgtca ttgcttagata 240
tatgagagat cgtagattgt tgggcagtga agcatt 276

<210> 47535

<211> 277

<212> DNA

<213> Glycine max

<223> Clone ID: 701038018H1

<400> 47535

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ttcttcgttt gctaccttct ctcagaaatg gttacgttca ggttcacca gtaccaggta 120
gtcgggaggg ctctcccaac ggagcagatc agcatccgaa gatctaccga atgaagctct 180
gggccaccaa cgaggttcgc gccaaagtcta agttctggta tttttgagg aagctgaaga 240
aggttaaagaa gagcaatggt caagttcttg ctatcaa 277

<210> 47536

<211> 278

<212> DNA

<213> Glycine max

<223> Clone ID: 701038019H1

<400> 47536

ggtttcttca atcggaatcg cgaacaacat ggaagtgaga attgggcaaa gggtgtctcg 60
cggaatgctc cctctcctcg ctctccacac cgtagcggag tattaccgct ccgaccacaa 120
acctccgttc accgcccggcc tcacgcccggcc aacaccctca tctacccctcg cccctccccc 180
ctcgatcccc tcattcccc cattgaacaa gtctggttca acccccacct catcctcaag 240
aacacggact tgaaacgctt cttgttgcg ccgtttta 278

<210> 47537

<211> 276

<212> DNA

<213> Glycine max

<223> Clone ID: 701038020H1

<400> 47537

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caggtttta tgagactcga attgcattt atgcattggag gggtgctaaa ggataccgct 120
tttctgcccc ccctgattat taagtgtgac ggtaaatgag aaatagagct atctataccg 180
tgaaaacata gtaatgatca aattcggttg caacttgtat gttcaatgg caaagatgga 240

acaaaatggt agaaaagtgt aatcgtaactt gatact

276

<210> 47538
<211> 293
<212> DNA
<213> Glycine max

<223> Clone ID: 701038021H1

<400> 47538

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ggccgaacctg ggcggctggc acccggttact ggaaggcaac cggggcggat aagcccattg 120
gtcagccaa acccggttggg attaaaaaag ctgggtgtt ttacgcaggg aaagctccta 180
aaggggacaa aagcaattgg atcatgcacg agtatcgctc cgccagacgta gatcgctccg 240
ttcgcaaaaaa gaacacccta agggtatata cactccgtac ttctttctag ttc 293

<210> 47539
<211> 280
<212> DNA
<213> Glycine max

<223> Clone ID: 701038022H1

<400> 47539

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cttctccgct cccacgattt tcttcaaggc caccacgatg cttgtcccc aactccatct 120
tccatcagat cacaaagaaa ccctaaccct agccccaaacc cttaccagac tcgcccgggg 180
aggctccacg acggcgaccg ctccggcatg gtggtgaaag gccccagcgc gcacctcgctc 240
atgggccatg tcaagatcct caagagaggc gagacgctca 280

<210> 47540
<211> 279
<212> DNA
<213> Glycine max

<223> Clone ID: 701038023H1

<400> 47540

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agacaaacta gagtttgctt tcagtgcgt tcctgatccc aagcccaaga aggattgggt 120  
cattttgtcc cttagggtgg tcgcttttt gccacagcat ctgctacact ttttatggca 180  
ttcaacaaac aaaccaaagg catggtagtt gctaccattg gcaccaaccc agtaacaatt 240  
actcttactg caatgtctca gcacactcca gctttata 279
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<210>	47541
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<212>	DNA
<213>	Glycine max

<223> Clone ID: 701038024H1

<400> 47541

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tagccttcca taatcttata acaatggagg ggaccaccag ccaaagcacg tttaccttca 120
tccctagcac aattgagaca cctagtcaag catgcctgag atctcatcat catcaccttc 180
ccctggcgcc tctcttgcaa gagctgcaca aagttaccct cctggatttc ccagaacagg 240
tatttgcgga ggttataggg acatttctgt tagtgtttgt 280

<210>	47542
<211>	278
<212>	DNA
<213>	Glycine max

<223> Clone ID: 701038025H1

<400> 47542

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gaggattggc aattgaagat ccctctgcac cccatggcct tcgccttgtg atagaggact	120
acccttatgc ttttgatgga cttaatatg ggatgctatt aagacatggg ttcatgaata	180
tgtctcccttg tattacccaa cagatgcagc agttcaacaa gatactgaac tacaaggcatg	240
gtgaaaggaa gctgtggaga agggtcatgg tgacttaa	278

<210> 47543
<211> 276
<212> DNA
<213> Glycine max

053416-03200
<223> Clone ID: 701038026H1

<400> 47543

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<223> Clone ID: 701038027H1

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002263
002264
002265
002266

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<211> 280
<212> DNA
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<223> Clone ID: 701038029H1

<400> 47546

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<223> Clone ID: 701038031H1

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<223> Clone ID: 701038032H1

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<223> Clone ID: 701038035H1

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DRAFT

gagaacactg tcatagtaat ttgggtcata gaactgtgta tcagaggcag caaatcagaa 180
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<223> Clone ID: 701038005H1

<400> 47552

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tcatttggta actgaccaga accccattca ggttattgtt gat 283

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<223> Clone ID: 701037971H1

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acaatttggg gcccgaaccg gtttcgagga agagggcta 279

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<223> Clone ID: 701037972H1

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<211> 279
<212> DNA
<213> Glycine max

<223> Clone ID: 701037973H1

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<210> 47556

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<223> Clone ID: 701037974H1

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<211> 280
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<223> Clone ID: 701037975H1

<400> 47557

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<212> DNA
<213> Glycine max

<223> Clone ID: 701037976H1

<400> 47558

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gtgctcaaaa gcctccaccg ccccgccaac ttccctgtgt ttg 283

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<212> DNA
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<223> Clone ID: 701037978H1

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cacacacgca gaaagggttga aaatagtggg acttgattca ctggaggtgg agaaagatgg 180

ctaacaaacgc agctgcttgt gctgagagag caactagtga tatgctcatt ggtccagact 240
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<213> Glycine max

<223> Clone ID: 701037979H1

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tttacaagtt ttctgatgtat taaaacagtat tgattggcta tattattatg gtttattgtat 180
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<223> Clone ID: 701037981H1

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<213> Glycine max

<223> Clone ID: 701037982H1

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ggtgataactc acttgggagg tgaagattt gataacagaa tggtaacca tttgttcag 180
gaattcaaga ggaagaacaa gaacgatatt agtggaaatg ccagagctct gaggaggttg 240
agaacagcat gtgagcgggc aaagaggact c 271

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<223> Clone ID: 701037984H1

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cgctactcac tcatacatcac tgagatcatg gtcctaata tcaccactgt caaaaccacc 180
atcaccgacg ctcaagccaa ggtcgccacc gatcatggtc gtgcctacgt caccttcctc 240
gccggaaacg gtgactatgt gaaaggtgtc gttggc 276

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<223> Clone ID: 701037985H1

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<223> Clone ID: 701037986H1

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gaaagcctta tcctctggac atgaggggcg aacttga 277

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<212> DNA
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<223> Clone ID: 701037987H1

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ttaaagagct ggcacaagca tatgaggttc tgagtg 276

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<223> Clone ID: 701037988H1

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<223> Clone ID: 701037990H1

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<212> DNA
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<223> Clone ID: 701037991H1

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<212> DNA
<213> Glycine max

<223> Clone ID: 701037992H1

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gtgttagtaa acgatgcgta ttcgtgtgt aagtt 275

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<213> Glycine max

<223> Clone ID: 701037993H1

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<223> Clone ID: 701037994H1

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<223> Clone ID: 701037996H1

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<212> DNA

<213> Glycine max

<223> Clone ID: 701038002H1

<400> 47575

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<213> Glycine max

<223> Clone ID: 701038003H1

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aagaaaatac gtcaagtcttc attgttcgtt gcaagtttag tatgtgtatc catgctatTTT 240
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DRAFT

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<223> Clone ID: 701037970H1

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<223> Clone ID: 701037941H1

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<223> Clone ID: 701037942H1

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<213> Glycine max

<223> Clone ID: 701037943H1

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<210> 47581
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<223> Clone ID: 701037945H1

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<210> 47582
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<223> Clone ID: 701037946H1

S E R I E S D E T A I L S

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<213> Glycine max

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gcgcgtccgg tgacgcccac gacgcgatct tctacgagtc gttcgacgag gattttgatg 180

gacgggtggat tgtatccgac aaggaggatt acaatggtgt ctggacgcat gccaagagtg 240

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<210> 47584

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<213> Glycine max

<223> Clone ID: 701037949H1

<400> 47584

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tgaaagcttc aaatttgctg atgcaactga tctcatgtgg ctcaaatatca gtaaaaaacc 120

atagtttgg ctttattcct tcctataagc ccaggtttc cagttcaaaa ttcccttccc 180

cgctgttctc aaccttttt gtgtgggg agtttgattt cttagccgag aatccaaagc 240

tgatgagtct cagattggaa gacaaagaat atttttagtgg aagc 284

<210> 47585

<211> 283

<212> DNA

<213> Glycine max

<223> Clone ID: 701037950H1

<400> 47585

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tcttcgtcgg cggaagcatg tcatcgat catcaagcaa cgcctacgac gtgccatggg 120
tagaaaaagta ccgtcccagc aaggtcgccc acatcgatcg caacgaggac gccgtctcca 180
ggctccaagt catcgatcgac gacggcaaca tgcccaatct catttatcc ggtcctcccg 240
gaaccggcaa aaccactagc attctcgccc tcgacgacgac gct 283

<210> 47586
<211> 282
<212> DNA
<213> Glycine max

<223> Clone ID: 701037952H1

<400> 47586

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cattgcttca tggatcatca aactgcttct ccaacgtggt tacactgtca gggccactgt 120
tcgacgaccca tctaaaccccg aaaagggtga tcacttgctc aaacttgatg gtgcaaagga 180
gaggctacat ctcttaagg cagatctgct ggaagaaggt tccttgact ctgctttga 240
gggttgtgat ggtgtcttc atactgcttc acccgttcat tt 282

<210> 47587
<211> 281
<212> DNA
<213> Glycine max

<223> Clone ID: 701037953H1

<400> 47587

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agggtcaag tatctccatg ataattggct tatccatagg gacttcatct catcaaacat 120
cctgctgatc catgatgggg agctaaaat atgcgacttt gggttgtcaa ggcagttatgg 180
aagcccgctg aagccatata ctccctgtgt ggttacacta tcgtacagag cacctgtcct 240
tttgctgggt gctaaagaat actcaactgc aattgacatg t 281

<210> 47588
<211> 282
<212> DNA

<213> Glycine max

<223> Clone ID: 701037954H1

<400> 47588

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ccgggtccgc tcccttcgtc ttcgatttgt tgatcaaggc gtgttggat tccaaaaaac 120
ttgacccttc tattgagatc gttcgaatct tgctctctcg cgggatcagc cctaaagtta 180
gcacctgaa ttcttgatt tcttagggttt gtaaaagtgc aggggtggat gaagggtatg 240
caatttaccg cgagttttt cggttggatg aggaaaacaa cg 282

<210> 47589

<211> 284

<212> DNA

<213> Glycine max

<223> Clone ID: 701037955H1

<400> 47589

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tctcttcctt ggagaagagt tttgccttcc aaacaacaaa ggaggccaca gaaagcaaca 120
atcttcatca atatactcat cttgttcacc tcagctcaact ctttccttca tcttcctgca 180
gctcttctgc caaaggccc aaaagaaaag catcattaga agtggtacac aaacatggc 240
catgctccca actgaataat catgatggca aagcaaagtc taca 284

<210> 47590

<211> 285

<212> DNA

<213> Glycine max

<223> Clone ID: 701037956H1

<400> 47590

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ctgcgtctct tcctcttctc ttgcattca tccctcattc ataatctcc aatccaacaa 120
cctcagcctc acactcacac atacacacat ctgaacgcgt atcgtccctc ccatggcttc 180
aaagcgcac tcaaggagc tcaaggactt gcagaaagac ccaccaactt cttgcagcgc 240

tggtccagta gctgaggaca tgttccattg gcaagcaacg attat

285

<210> 47591
<211> 282
<212> DNA
<213> Glycine max

<223> Clone ID: 701037957H1

<400> 47591

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ctccgattgg agcccgaccc atggagcatt catctcgta gggtcgggtc caggtcggat 120
tgaggtgtgc cactggatct tcgagaatga cgtggcgtgg accattgtga agtgagaaaa 180
gcgaacatca gaataaggaa ggaagaagag ttacctctat aggaaaactac agttaaattt 240
tttaaaaaaaaaa gcacttctgt tctgctaaga aaatttagca gt 282

<210> 47592
<211> 283
<212> DNA
<213> Glycine max

<223> Clone ID: 701037958H1

<400> 47592

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tccccatctc ctttcacttc tgagctctgg acgagatccc agatctcacc atcttcacg 120
cactttcca tcagattcac ctttcgttt aacgcaaact cataacttga aggttaatgg 180
ctgctccacc ggcaagggct cgtgccgatt acgattatct cataaagctt ctcttgatcg 240
gtgacagcgg tggggaaa agttgcctcc ttctgcgttt ctc 283

<210> 47593
<211> 117
<212> DNA
<213> Glycine max

<223> Clone ID: 701037959H1

<400> 47593

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aatcatgttc tcatttatac atttatgaaa tgtttctcat cattttgaac tactttt 117

<210> 47594
<211> 282
<212> DNA
<213> Glycine max

<223> Clone ID: 701037960H1

<400> 47594

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tttgctggca ccttggcctc tggtggtgct gctggtgctt catcccttt gtttgttac 120

tctcttgact atgcccgtac ccgtcttgcc aatgatgcta aggctgcaaa gaagggagga 180

gagagacagt tcaatggcct tggatgatgc tacaggaaga cattggcatc tggatggtt 240

gctgggctct accgtggttt caacatctca tgtgttggaa tc 282

<210> 47595
<211> 285
<212> DNA
<213> Glycine max

<223> Clone ID: 701037961H1

<400> 47595

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gccgcttaaga aaactacgaa gacccatgag agcatcaaca acaggctcgc tcttgcata 120

aagagtggca aattcaccct cggttacaag accgttctca aatcttttag gaactccaaa 180

ggaaattga ttatcattgc taacaactgc ccccctttga gaaagtcaaa gattgaataac 240

tatgctatgt tggcaaagggt tggagttcat cattacaatg ggaac 285

<210> 47596
<211> 93
<212> DNA
<213> Glycine max

<223> Clone ID: 701037962H1

<400> 47596

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93

<210> 47597

<211> 289

<212> DNA

<213> Glycine max

<223> Clone ID: 701037963H1

<400> 47597

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tgcgttgtct gcaattgcag tttcaacact ttcaagaagaa ggcaccactg tcgatcctgt 120

gggagaacat tgtgtaatga acattcatca aatcaaatgg cttaaccaca atttggcctt 180

tactcaaatg tccgagtatg tgctgattgt ttcaacaact tgcggctgg gaaggatgaa 240

ccacagcctt cttcagacgg agtaaacagt gtgacagata caatttcta 289

<210> 47598

<211> 127

<212> DNA

<213> Glycine max

<223> Clone ID: 701037965H1

<400> 47598

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caaaccgaat cgagttaaa ttgaatttc atttcaact tccctgtgat gccttacacg 120

gtccgag 127

<210> 47599

<211> 279

<212> DNA

<213> Glycine max

<223> Clone ID: 701037967H1

<400> 47599

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gtgcattaag attcgtttt gtgtgtatgt tggctgggg ttgggtatcg tgggtatgt 120

tgcctacgct caagattcag cagaagacta cgtgaatgca cacaatgcag cacgagcaga 180

DRAFT EDITION

ggtgggtct caatcaccaa gacaaacagt gattgttcca agtttggtt gggatgatac 240
ggtgctgct tatgcagaga gctatgctaa tcaacgcaa 279

<210> 47600
<211> 281
<212> DNA
<213> Glycine max

<223> Clone ID: 701037968H1

<400> 47600

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tgagtgacat tcctccgttt caaagtttc caaccgcatt cccaatggat cctcaagctc 120
cggcgacggg caccaccgtt cggagcgccg cggaaccatc tcaaccttag ccacccaaac 180
catccccctcc tctccctctc cctccacctt ccacatcatc aaccctcca caccctcccc 240
caatccctaa ccctaaccct aacccttagcc caggccccagg c 281

<210> 47601
<211> 279
<212> DNA
<213> Glycine max

<223> Clone ID: 701037969H1

<400> 47601

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attttcgtca atattagaga ttctacgttc gcacgattat gaagatgtat ctatagcagc 120
agcagttagaa ttctgttattt caaaagaaga agaaaaatgga cgatagaggt agtcattcg 180
ttgctgttag gagaattcct caaggagaaa cctgccatcc aaattctgga ggaatgctt 240
cagaggatac agagacgtat agatgttcca tctgatagt 279

<210> 47602
<211> 287
<212> DNA
<213> Glycine max

<223> Clone ID: 701037939H1

<400> 47602

002360

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cattcaaaagt cataaccgat acctaaaatc ctcattccaa tcaaaaaccaa ccccaccatg 120
ccccacaaaaat taagtcatca aattaaagca ccgatgatcc tcaatttgat ctttgtgctt 180
atttgtgtca ctactccaat caaaggtagg acatcaagga agcttgatga ggtcacaaac 240
ggtaatgaga agtgcacacc atgtgaaggt gttacaccc catcacc 287

<210> 47603
<211> 289
<212> DNA
<213> Glycine max

<223> Clone ID: 701037910H1

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tggtgccgga tgccgtcggc gaacggcgga gaaggaggag gaccacctgc tgaacgcgga 180
gaccacttcg cgagcttcaa ggcaaggatc gggagaagt acgcgaccaa ggaggagcac 240
gaccgtcgct tcggcgtctt caagtccaaac ctccgcagag cgaggctgc 289

<210> 47604
<211> 290
<212> DNA
<213> Glycine max

<223> Clone ID: 701037912H1

<400> 47604
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aatttaacca tattttgtt cattaatata tatattgaat gcacattctg taacatagga 120
tatcttgtca tagggttgaa tttgggaggg agcttccctg tttcttgata tttgttcatg 180
catttggtttc tcttggttaa ttgcttatac aattgtgttg tgatctttt agctgtacca 240
caaaaattcta tacctgtgtc ctccgtttcc ggaaaatgtt gaaagcaaat 290

<210> 47605
<211> 131
<212> DNA

055117-03200

<213> Glycine max

<223> Clone ID: 701037913H1

<400> 47605

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agatttcttc a 131

<210> 47606

<211> 286

<212> DNA

<213> Glycine max

<223> Clone ID: 701037914H1

<400> 47606

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ccatgagtgc cgataagaag aaactgattt gcagattacg cctattttc actaatgcaa 120
aaccataacct cttaatgatt ggcttcaat ttggcatggc tggaaattac atcttcggca 180
aggatgttct taaccatggc atgagtcgtt ttgtgttcat tgtttaccga aatgctatgg 240
ccaccattgc tcttgcccctt atttgcttct ttattgaaag gcaaag 286

<210> 47607

<211> 301

<212> DNA

<213> Glycine max

<223> Clone ID: 701037915H1

<400> 47607

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tcagcctgca cagggaaacag aaaaggact ctacttcctt tcaaaccctag accagaacat 120
tgctgttcca gtgcgcacgg tttattgctt caaatccggt tctagaggaa acgaggatgc 180
tgcacaagtt atcaaggaag ctttgcgaa aattcttgc ctttattacc ccatggctgg 240
cacgttcatg ataagcttgg aaggaaagtt aatagtggat aaccctgggg aggggtgcgg 300

g

301

DRAFT

<210> 47608
<211> 301
<212> DNA
<213> Glycine max

<223> Clone ID: 701037916H1

<400> 47608

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tttggcgaaa gtgaagcgat gагcагtгat agгаatattg gggttgcctt ggactttcc 120
aaaggaagca aaatcgctct caaatggct attgacaatc ttctccgcaa cggtgacata 180
ctctacatcg tccacatcaa gccttccggc ggaagtgaat tccgaaatct tctctggtcc 240
accactggtt cacctctgat tccgttgcg gagttcgtg agaaggaggt gatgcatcac 300
t 301

<210> 47609
<211> 290
<212> DNA
<213> Glycine max

<223> Clone ID: 701037918H1

<400> 47609

cgaaaaatgg tatgtgggtt gtgctcagaa gcggtgagag atgaagttag ccatggaggg 60
aagaaggcat catcagctat ggatgaagct gtgaaggctc acatgtcatt ctgccgcaag 120
ttcaaatcca accctgcagt tagagttgct gaaggatga gacagatgct aaggagaagg 180
tctgacttgt catcatcatc atcatcatca tctccatctt catcaaagaa gtacacaagg 240
tcaaccagca cttctcaagt cggggattct tcaagttcc attttagta 290

<210> 47610
<211> 287
<212> DNA
<213> Glycine max

<223> Clone ID: 701037919H1

<400> 47610

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aaattgcttg atagtgttat tgtgggtcga tgtgctgggg acaatgtggt tggtggtgg 180
gggggtgaca ttccttgcc acaaaagcca accgcggatc aatgctaatt tgtttatatg 240
attgacatgt ttttcttct tcttcttctt ctttttataa ttttgg 287

<210> 47611
<211> 287
<212> DNA
<213> Glycine max

<223> Clone ID: 701037920H1
<400> 47611

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atacatgaga taatttatag aaattcttata acaataactt atccaaaaat ttgtttttaa 180
tttatacata agttaaattt attttgtggt aaaaatttag tttatttttattt ttcgtatata 240
agtgtttatg gaaaatttat ccaaataaaa cccaaattgt tttcttc 287

<210> 47612
<211> 287
<212> DNA
<213> Glycine max

<223> Clone ID: 701037921H1
<400> 47612

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gtggtacaac tagttctgt catcatgatg gagctgcaca aatgtcttga agcacaaaaat 120
ctttcatcggt atgagagaga aaagcggagt gaattgatag gccttcttgc tgggtgcattg 180
caagtaatta ttccagaaact agggtcttgc gattctacca aatatgtgtt ggtgcagtat 240
tctgatcaga taatgagact attcttcagg gtctttgctt gttagaaa 287

<210> 47613
<211> 288
<212> DNA
<213> Glycine max

<223> Clone ID: 701037923H1

<400> 47613

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cctccttccc ccagagatga tgccatgcag ctttaccgtg ctttaaggg atttgggtgt 120
gataacaagtg ctgttatcaa tatacttgct catcgagatg ctacacagcg tgcctacatc 180
cagcaagaat acaaagcaat gtattctgag gaactttcca agcgcttagc ttccggagctt 240
agtggaaagt tagagactgc agttctgctc tggttgcatt accctgca 288

<210> 47614

<211> 94

<212> DNA

<213> Glycine max

<223> Clone ID: 701037924H1

<400> 47614

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ctcctcaatg ctaatctcgc cttccccatt taga 94

<210> 47615

<211> 286

<212> DNA

<213> Glycine max

<223> Clone ID: 701037926H1

<400> 47615

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ggccaggccg gatatccaggt tggaaacgcc tgctggaaac tctattgcct tgaacacggc 180
attcagccccg atggacagat gccgagtgac aagaccgtt gcggaggaga cgacgccttc 240
aacacatttt tcagcgagac cggcgccgga cagcacgtgc cccgcg 286

<210> 47616

<211> 290

<212> DNA

<213> Glycine max

DRAFT genome

<223> Clone ID: 701037927H1
<400> 47616

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acgatgaaga cgacacctctg atccgtcaag tggtgccgga tgccggaggac caccacctgc 180
tcaacgcgga gctccacttc tccgccttca agacaaagtt cggcaagacc tacgccacgc 240
aggaggagca cgaccaccgc ttccgtatct tcaagaacaa cttgctccgc 290

<210> 47617
<211> 287
<212> DNA
<213> Glycine max

<223> Clone ID: 701037928H1
<400> 47617

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attgtgttcc tgcaaaaagat aattcagggaa ttttggtgga tgctgtggct cagcatattg 180
tgaacctgca gactcctgcc acccccttct tcttaataac actgtatgtat ccattctgta 240
agggtgcaga ttttggcgt gggtacccat tcagcctgctg aagtggg 287

<210> 47618
<211> 293
<212> DNA
<213> Glycine max

<223> Clone ID: 701037929H1
<400> 47618

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ctcttcactc ttggtcttgc gagagaaagc catgccagag acgaagatgtt ttggcatgct 120
gtttggccaa acactccat tccaagttca ttgcgagatc ttctaaagcc tggccctgca 180
agtgttggaaa tcgatgtatca ccctatgcaa attgaagaaa cacagtaccc gaaaaccttc 240
ttctataaaag aagaccttca tccaggcaaa acaatgaaag tacaattcag caa 293

47619
292
DNA
Glycine max

Clone ID: 701037930H1

47619

cgatggtaaa aatctcaatt ggtggatacg atgatgggaa aggacccagc aaccgaaccc 60
ataagcgacg caigggaaagat gatgatgacg acgacgaaga agagcaacaa caacaacgaa 120
gctttgagat ggtggaccct tcaataggaa ctcaagagaa cgaagatcat gctgctccat 180
ccaatgatgg atcgaattct aacggaaatg gggcttggAAC cagtacccgg gataggtccg 240
ttccttatctt cgtttccgac cctgatgtcc ttgattgctg catttgctat ga 292

47620
293
DNA
Glycine max

Clone ID: 701037933H1

47620

ggagaacagg gtaatattac aggaatggtt tgaccgcgtt gactcgaga aaagtggaaag 60
cataacacgcg gtacagctga agactgctct tgctgtggc aacctggaaat ttccgctctc 120
agttgttcag caaatgatca ggatgtacga ttgcacagg aatggtacta tgagcttca 180
agaatttggtt gcactcaaca acttccttct taagggtcaa catgcatttt ctgatctaga 240
gaggggtcgt gggtttcttg tacctgatga tgtatttgag gctttggaa aaa 293

47621
284
DNA
Glycine max

Clone ID: 701037934H1

47621

cattactact gaaaacttaat ctcaaagaaa gaagctgctg agatgaataa gaggtcttc 60
aagtatgcct gggtgcttga caagctcaag gctgagcgtg aaagaggaat caccattgt 120

attgctctgt ggaagtttga gaccacaaag tactactgca cagtcattga tgcccctgga 180
catagggatt tcatcaagaa catgatcact ggaacatctc aagctgactg tgctgttctt 240
attattgatt ccaccactgg tggtttgaa gctggtattt ccaa 284

<210> 47622
<211> 86
<212> DNA
<213> Glycine max

<223> Clone ID: 701037935H1

<400> 47622

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gtcttcaatt atcatgttag tagtat 86

<210> 47623
<211> 280
<212> DNA
<213> Glycine max

<223> Clone ID: 701037937H1

<400> 47623

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attgctaggg gagtgatgct gggtcctgac cagcccgtga tcctccacat gcttgacatt 180
cctccagcag cagagtctttt gaatgggat 240
cttcttaaag gtgttgtgc tacaaccat gtggttgagg 280

<210> 47624
<211> 285
<212> DNA
<213> Glycine max

<223> Clone ID: 701037938H1

<400> 47624

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cttcctccaa ggccagggtct ccaagaattt gtaccaattt aagctgaaa tatacttggaa 120

DRAFT

cttcaactta tcccacatc tccactctca atggcttcaa ctctcaaatac tggcgaaatt 180
catacagggg caatcaatga tgatttatac aaggaattgt ggcatgcatt tgctggtccc 240
cttgtcactc tccctcgtga agggAACGA gtctattact ttcca 285

<210> 47625
<211> 292
<212> DNA
<213> Glycine max

<223> Clone ID: 701037909H1

<400> 47625

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tttcaccaga aacctcaaga aagtgtaccc tattgggctt cagaaaagca cctcatctt 180
gtctctgtct tcaatttcat tgtcttgtc acaaaaactca aatgactctt cacaggctga 240
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<210> 47626
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<213> Glycine max

<223> Clone ID: 701037868H1

<400> 47626

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ggagttgggt tttttagtgc agtggattcg caagtaattt tgtagcatat gacaaggta 180
gacaccatgg tttcagatt gctcatgggtg tttggctga cgtggatgat caccctttt 240
atttggacaa gatggttta atggact 267

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<213> Glycine max

<223> Clone ID: 701037869H1

DRAFT

<400> 47627

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ttttctcaa tgactagcgt ttagcttt gttggtaaat catactattg gttcaatgt 180
attgaattgt tcctaaaaat taaaaagggt tattttctt atgtatcccc tgcttcttca 240
tatgaagcaa gtttacagga tactttt 267

<210> 47628

<211> 266

<212> DNA

<213> Glycine max

<223> Clone ID: 701037872H1

<400> 47628

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cagttacctc atgccttgct gttcagaac aagaggtcat tagttctaat gagaagatca 180
agaaggaagc aacattaatt gttcttagtgc tgccagatat agaaactact ccaagacttt 240
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<210> 47629

<211> 262

<212> DNA

<213> Glycine max

<223> Clone ID: 701037873H1

<400> 47629

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ttccagttt tagccaacct cccagccttc catcaggtcc tagtttcctt atgcataaaa 180
catgtgccgg ttccacatgt taaagctaa gaacggttc tagttgtcg tattggcca 240
aaagagttca gaatctaccg gt 262

<210> 47630

<211> 262
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<213> Glycine max

<223> Clone ID: 701037874H1

<400> 47630

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ctgataacaa gtccctcatc ttcaacattc atccagttct tattgttatt ggcttactag 180
ttcatggggg tgaagctatt ataagttaca aagctttcc cctaaagaag gaagtgaaga 240
aattqataca ccttqtttc ca 262

<210> 47631

<211> 263

<212> DNA

223 Glens ID: 70103787E41

<400> 47631

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ctcgatgtat ggtcggtcgt gaacatgtca gtgcccatcg tgctggctat tgatgtgcg	180
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gttgcaattc tcaataaatat tga	263

<210>	47632
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<212>	DNA
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<223> Clone ID: 701037878H1

<400> 47632

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acacaaccat tctgtggaag ccatgagcaa aacttgcatg ttgtctccct ttggatggaa 180

caaggaacaa ggaacaagga acaaggaaca gttatgcttt tctaagtagg gtttggcct 240

ttttatTTT tacTTTGA tttt 265

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<211> 269

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<213> Glycine max

<223> Clone ID: 701037879H1

<400> 47633

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tggcctattg ttggTcATTt gcacCTTTC ggggctcatc aacttacaca caaaacacta 180

ggcacgatgg ctgacAAACA tgggccaATT ttcacgataa aacttggTTC atacAAAGTT 240

ctggTgttga gtagctggA gatggcga 269

<210> 47634

<211> 277

<212> DNA

<213> Glycine max

<223> Clone ID: 701037880H1

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atccactaac tgaaggagaa atggggTTGA cattcaccaa gctttcagc cggctttcg 120

ccaagaagga aatgcgaatt ctgatggTGG gtctcgatgc agctggtaag accaccatcc 180

tgtacaagct caaacttgga gagatcgta ccacaattcc caccattggg ttcaatgtgg 240

agactgtgga atacaagaac attagttca ctgtctg 277

<210> 47635

<211> 265

<212> DNA

<213> Glycine max

<223> Clone ID: 701037883H1

<400> 47635

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gctatatgct gttgaatcct gaagacgctc atttcttcga tcttggcat gtgctgtatt 180
cccgtaactt gggaaaccga aaatttgg 240
acagcaatgc tgagggatct tatgaggaa
gcttccgcca aagatggctt atatt 265

<210> 47636
<211> 268
<212> DNA
<213> Glycine max

<223> Clone ID: 701037884H1

<400> 47636

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atggaggac aaacaagtga ttcattaagt aaacaacaat gtttggagac aacattaacc 120
aacgagctc aaaatgtgga acctccagaa atgtatggat tcgatatgca atgcattat 180
agagtaccac cagccattcg tgaaaataat cccaaagcct acacaccta aatggttca 240
attggccctt ttcacaaagc acgtgacg 268

<210> 47637
<211> 98
<212> DNA
<213> Glycine max

<223> Clone ID: 701037885H1

<400> 47637

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aacaccataa taccgaaaac tataccggc aagaagaa 98

<210> 47638
<211> 265
<212> DNA
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<223> Clone ID: 701037886H1

<400> 47638

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gaatgaaatt acttttggtg acgaatctag agtggaaaga ggtggaatga ctgtcaaagt 180
aaaagctgct gttcatgcag ctgatgccgg cattcctgtt gttattacca gtggtttgc 240
agctgagaat attatcaatg ttctc 265

<210> 47639
<211> 261
<212> DNA
<213> Glycine max

<223> Clone ID: 701037887H1

<400> 47639

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gtttcatgtg cactaatact tctgggtgtca tgccacaacat actcatcagc ttctttgggg 120
aaacctgaga acaacataaa aacatctgtt tttaaatcac ccaagattga gcttaggtcca 180
gggtagttt caaacaaatt ttatTTTgtt gttgactttc caagaggcca tattgcactc 240
aagagtttca atgctgaatt g 261

<210> 47640
<211> 266
<212> DNA
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<223> Clone ID: 701037888H1

<400> 47640

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tggatgttga tggatgcggac aatcgaagta gctggagaag tccacgtgaa cagttcaac 120
atggcagat gaacaggagg aagttggcat tttcaacagt ggggacacca gactacattg 180
ctcctgaagt acttttggaaa aaaggatatg ggatggaatg tgattgggtt tcactggag 240
caataatgtt tgacatgctg gttgg 266

<210> 47641
<211> 257
<212> DNA

DRAFT

<213> Glycine max
<223> Clone ID: 701037889H1
<400> 47641

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aaggtgatcg cagagtacat atggatcggt ggatcaggaa tggacctgag gagcaaagca 180
aggactctcc caggaccagt tagcgaccct tcagagcttc ccaagtggaa ctatgttgt 240
tccagcacag gtcaagc 257

<210> 47642
<211> 264
<212> DNA
<213> Glycine max
<223> Clone ID: 701037891H1
<400> 47642

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gatgcttagca tgtgtatgagg agcactggct agaagaatat agcagggatg agaatcgata 120
ctcagtcagt agaggagctc acaaaaactt gagacgtgcc gaacgtgccccc gtataatgg 180
cagcagaatg ccagcttgg tagatttgct aataaaaatg actaggagtt gggagaaga 240
cagaaataaa gtttcttgt atga 264

<210> 47643
<211> 262
<212> DNA
<213> Glycine max
<223> Clone ID: 701037892H1
<400> 47643

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caccatttggaa tggacgagac ctacctccac aactgctttg ctcacaccgg cgaggttgt 120
tcggccaagg tcattcgaaa taagcaaact ggtcagtctg agggatatgg attcgtggag 180
ttctattcac gagcgacggc tgagaaagtc ttgcagaact ataatggcac gatgtatgcc 240

aatacagatc aggcatccg tc

262

<210> 47644

<211> 267

<212> DNA

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<223> Clone ID: 701037893H1

<400> 47644

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cgacatgatc gtgacggcgt cgcgaccaa atccatcatt ctctggcacc tcaccaagga 180

ggacaagacc tacggtgtcc cccgcccgg cctcaccgga cattctcaact tcgtccagga 240

cgtcgtcctc tcatccgacg gtcagtt 267

<210> 47645

<211> 82

<212> DNA

<213> Glycine max

<223> Clone ID: 701037894H1

<400> 47645

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ttgaacaggt ccaacaccct ac 82

<210> 47646

<211> 135

<212> DNA

<213> Glycine max

<223> Clone ID: 701037901H1

<400> 47646

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gagagggaa gtcacaagaa gcctaagagg agttgatta ctcaggacat agctgaaacg 120

tttttgactg ttct 135

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<211> 95
<212> DNA
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<223> Clone ID: 701037904H1

<400> 47647

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<211> 287
<212> DNA
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<223> Clone ID: 701037905H1

<400> 47648

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aaagcattga aatggggaaa gggagaagtc ctggaaatg gttcaagaat ttactcttgg 180
ggaagaaatc gtctcaaag tctacttcat caaagaagaa tgacatttt aaaccttcaa 240
ttgacaagga tttgctggtg tcgtctgagg tacccgtgcc tgatcca 287

<210> 47649
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<212> DNA
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<223> Clone ID: 701037906H1

<400> 47649

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aacccaccaa gcccaaagcc tcgtcttccc ttcataggac acttcatct cttaaaagac 180
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tactttggct ccatgccaac cggttgtgcc tccacaccag aattgt 286

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<223> Clone ID: 701037867H1

<400> 47650

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cctgcatgag atcctacttc gaataccacc accaactatc tccaaattaa ttatcgtatc 180
acaaatatgg ctgcgtgtga tatgcagtcc ttcatccgt caatgctacg tgaggcaatg 240
gggacaaagt tttcgacttt tgggttttt 270

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<223> Clone ID: 701037907H1

<400> 47651

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gatcaaatac ttccactatc atggaaccat ctcagacagg agagaaacat gtaaaatact 180
cgtcaacaca acacaagtca cacagaacaa aattccttat gtgatggaca ccacaatgag 240
ggacactgct gggtaatca agacatttga gctcaagatg attg 284

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<213> Glycine max

<223> Clone ID: 701037839H1

<400> 47652

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gatcatggaa ttGAAATTCA CTTCGAAATC GCTGCAGCGT CAATCGCGTA AGTGCAGGAA 120
ggaggagaaa tcggagaAGC TGAAGGTGAA GAAGGCGATC GAGAAAGGCA ACATGGACGG 180

cgctcgaatc tacgcggaga acgcgatccg taagcgcacg gagcagatga actacacctcg 240
cctggcctcg cgcctcgacg ccgtggtcgc 270

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<223> Clone ID: 701037841H1

<400> 47653

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ggaaatgata gtggatttg aaaatgacca aaacgacgcc gttctggttc cgccccctaa 180
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ctttctccaa accctaaacc ttgcgtcc 268

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<223> Clone ID: 701037842H1

<400> 47654

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tcaatcatcc attcattatt catcatactc gtggcgaag aaaatcacgc tgaagagttc 120
ggacggcggag gcttcgagg tggaggaggc ggtggcgctg gagtcgcaga cgataaagca 180
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cctggcgaag gttatcgagt actgcaa 267

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<223> Clone ID: 701037843H1

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ctctgcaaga tttttgtgt gcggccaaag aaaaagatgg tgtatttgtg aatggaaaat 180
tctgcaaaga tcccaagctt gtgaaagctg aagatttctt caaacatgtg gaacctgcga 240
atactgcgaa tccacttaggt tcacaa 266

<210> 47656
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<223> Clone ID: 701037844H1

<400> 47656

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tttggcagag ttccatgcaa ctctgatttt cgtttcgct ggtgttggtt cagccatcgc 180
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ggcccatgca tttgcactgt ttgtagg 267

<210> 47657
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<223> Clone ID: 701037845H1

<400> 47657

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tatacttgtt cttaggaggtg ctgggtggagt tggatccctt gttattcagc tc当地aaagca 180
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gagcttagga gcagacttgg ctattgatta 270

<210> 47658
<211> 274
<212> DNA

<213> Glycine max
<223> Clone ID: 701037846H1
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tgaaaatgag agaaatcttg cacatccagg gagggaatg cggttaaccag atcggagcga 120
agttctggga ggtgatatgc gacgaccacg gcatcgacca caccggaaag tacagcggcg 180
actccgagct ccaattggag cgcatcaatg ttattacaa tgaagccagc ggccggaaagg 240
acgttccacg cgcgcgtcctc atggatctgg agcc 274

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<223>      Clone ID: 701037847H1

<400>      47659

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ccgaatctaa gacagccgat gccaaacttg ctgtgaataa gaagggcgcc gccaccaaga 120
ctaggaaacc cgccggaaag gggaaaggcag cggaaagatcc taacaagcca aagaggcctc 180
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acaacaaagc aqgtgtctqct qtqqqcaaag ctqctqqa 278
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<223>      Clone ID: 701037848H1

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tccagccatc cgccctggtc gacaacgttgc acccgtcga ttggtccttgc ctccatcgca 180
ttccccggcga gcgcggtgtgc tccatccctg tccaaattga agaactggaa tccatactga 240
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gagaggttaa atccaaatcc cacgatgaca tcaaaaactc

279

<210> 47661

<211> 278

<212> DNA

<213> Glycine max

<223> Clone ID: 701037849H1

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tttggggac caggtggtaa acatccttag tactattggg catatgagga gttaaagcga 180

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<210> 47662

<211> 278

<212> DNA

<213> Glycine max

<223> Clone ID: 701037850H1

<400> 47662

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cgcaacaccc acacccacac ccgctccttc atctccaact ccaacaacag ctccatccca 180

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<211> 271

<212> DNA

<213> Glycine max

<223> Clone ID: 701037852H1

<400> 47663

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gagaacaaga agagatgcaa tttcttggt tcttggcat ctacaaagaa gcctccaaga 120
tcataacttc atggaggaga atcttcaccc aaatcacctc aacactaatac ctccctct 180
ccttcatctt cctcatccac atggaaatct ccaacctcct cttaggaag attctcatca 240
acgaaatagt catggacgaa acaaaggcta a 271

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<211> 271
<212> DNA
<213> Glycine max

<223> Clone ID: 701037853H1

<400> 47664

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gaacctaaaa tccaccctcc acaattccaaa ttccaaactc ttccactcat ggaacgcccac 180
caattccgtt tgacccctcc tcggagtcac ttgcaactcc ctcaattccg tcacggaaat 240
aaacctctcc aaccaaactc tctccggtgt t 271

<210> 47665
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<212> DNA
<213> Glycine max

<223> Clone ID: 701037854H1

<400> 47665

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atcttcgtca agaccctcac cgaaaaagacc atcacccttg aggtggaaag ctctgacacc 120
atcgacaacg tcaaggccaa gatccaggac aaggaaggaa ttcccccgga tcagcaacgt 180
ctcatttcg ccggaaagca gtcgaggac ggccgtaccc tcgcccacta caacatccag 240
aaggagtcaa cccttcaccc tgccttcgt 270

<210> 47666
<211> 268
<212> DNA
<213> Glycine max

<223> Clone ID: 701037856H1

<400> 47666

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ctagttgctg gggatgcgtt tatattttta aggggtgaga atggggaaact tcgagtttgt 120
gtttaggcgtg caatgagaca acagggtaat gtccatcat cggttatctc aagccacagt 180
atgcatctcg gtgttcttgc aactgcttgg catgccatat tgactggac catgttcact 240
gtgttattaca agcctaggac tagtccag 268

<210> 47667

<211> 265

<212> DNA

<213> Glycine max

<223> Clone ID: 701037859H1

<400> 47667

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ccacaagtaa aatgtcaggt gaagagggtg tcattgcagt tgagccagct gctgctgctg 120
ctgccatccc aggcgagcca atggatatca tgactgcctt acaacttgtg ctcagaaaat 180
ctctggctta tggtggtttg tcgcgtggcc ttcatgaagg tgcaaaaatg attgagaagc 240
atgctgcaca actctgtgtt cttgc 265

<210> 47668

<211> 265

<212> DNA

<213> Glycine max

<223> Clone ID: 701037860H1

<400> 47668

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ggcgcggtccg acgcccacga catcctgatc cgtcaggtgg tgccagatgt tggcgaagcg 120
aagaggagga caacctgctg aaagccgagc accaatccgc gagcttcaag gccaaatcg 180
ccaagaccta cgccaccaag gaggagcacg atcatcgctt cggcgcttcc aagtccaaacc 240
tccgcagagc caggctgcac gccaa 265

□ ३५३ १८ ४३ ०३ ३२ ००

<210> 47669
<211> 268
<212> DNA
<213> Glycine max

<223> Clone ID: 701037861H1

<400> 47669

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gctccgcgcg ccaaccacct ccctcatctc cggcgccctcc cgccgccgcg tctccaccga 120
cgtgccggcg acgccggggc ggattccgtc ttgcggagg cgtgaaagaa agtgagcccc 180
aacatcgacc cgccgaagac gccgctggcg tacatgaagc cccgaccacc cactccttcg 240
actctccctt ccaaactcac cgtcaact 268

<210> 47670
<211> 266
<212> DNA
<213> Glycine max

<223> Clone ID: 701037862H1

<400> 47670

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ttccccaaaac atttgaagaa ctttgatgtt taatgggtct gtaataatgt cccttggaaaa 120
taagttcggt ttgtgttcaa ctcaattgtg tcccattaat aatagtactc taatatccca 180
cctacgtttg ttatgaatgt gtgaaatatg aaatgattaa ttgtcaaaaa aaaaaaaaaa 240
aaaaagggggg ggccgcccgtattga 266

<210> 47671
<211> 274
<212> DNA
<213> Glycine max

<223> Clone ID: 701037863H1

<400> 47671

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tacagtgggtt gtgcttggac tgcttccact ctcccttagat gcacaactag atccctcctt 120

SOUTHERN BOUNDARIES

ttacagagac acttgtccca gggttcactc cattgttcgt gaagtgcgtca ggaacgttcc 180
aaagaaaat ccccgatgc ttgcttagtct cattagactt cactttcatg actgctttgt 240
tcaaggatgt gatgcatcag ttttgttgaa caac 274

<210> 47672
<211> 111
<212> DNA
<213> Glycine max

<223> Clone ID: 701037864H1

<400> 47672

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<210> 47673
<211> 228
<212> DNA
<213> Glycine max

<223> Clone ID: 701037865H1

<400> 47673

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gatatgccgt catatgccag gagaatggtc tggtagctat tgtagagcca gagatcctgg 180
tggatggacc tcatgacatc aacaagtgtg ctgaggtgac cgagcgcg 228

<210> 47674
<211> 273
<212> DNA
<213> Glycine max

<223> Clone ID: 701037866H1

<400> 47674

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agacacatcc aaccagatgt ccaggcgtga tcctctgaga ttttacatgg atgtaattga 120
tgatatgcta actcaaatgg gaagatccat cttcaaaacc acaagggtggc cgattaggag 180

aaagcgacat tgattatgat actgacgaga agtcaatggc aacactaaga cgtcatttc 240

gaggagctac tgaggagtac tacaggtata aaa 273

<210> 47675

<211> 271

<212> DNA

<213> Glycine max

<223> Clone ID: 701037838H1

<400> 47675

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catcaactgcg ccgcgcgtgcc acaccgaaca aacacaaaca tggatgactc caaactcaat 120

caattgaAGC atttcatcga acagtgcAAG tccaaccctt ccctcctctc cgatccttca 180

ctctccttct tccgcgacta tctcgAAAGT ctccgggcga aactccctga atctgcttat 240

tccgaatcga cgggcgtgga gagcgatgag g 271

<210> 47676

<211> 279

<212> DNA

<213> Glycine max

<223> Clone ID: 701037815H1

<400> 47676

ataaaaacttc tctttcact ttcttccact tcatcacaat tctgccaacc aaagacacac 60

aaaatcaatc aaggcttga actatggca ctcttcagag ttggagaaaa gcctacggtg 120

ccatcaaaga cactaccaaa gtcggctcgtc ctcatgtcaa cagcgacttc gcggtatctc 180

aattctcaat cttattcgta ttcacggatt cgtttcata tgtgttccga aatatttctc 240

gtgcgagtga tcggtttctc gcgtggatta taatattat 279

<210> 47677

<211> 281

<212> DNA

<213> Glycine max

<223> Clone ID: 701037816H1

<400> 47677

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atactataca aatggattct agccttacca ctaaagggga agggagactg ggaaacactg 120
taggcaaaag cattaagaat gcttagagg tgttgtcgc tttgtctact gacaagattc 180
acaaatcaca atggaacact atagtatcat ttgattcatg taaacaatcc acctccacct 240
agtggggaaa agtttgctg ttgtctacca ttacccgtat g 281

<210> 47678
<211> 295
<212> DNA
<213> Glycine max

<223> Clone ID: 701037817H1

<400> 47678

gcacgaatat ctcgttgttt ggagcgatcc gagaaaaact ctgtaaacat gttggttac 60
caggacacctcc ttacaggtga tgagcttctc tctgactcct tccgttacaa ggaaatttag 120
aatggaatgc tgtggaaagt tgaggcgaag tgggttgtta aaggagcagt tgatgttagac 180
attggtcaa acccttctgc tgagggtgga ggagaagatg agggagttga tgatgcagct 240
gttaaggttg ttgacattgt tgacacattc agacttcagg agcaacccgc attcg 295

<210> 47679
<211> 275
<212> DNA
<213> Glycine max

<223> Clone ID: 701037818H1

<400> 47679

caattggaaa gcacatcgaa tccaatcatt gccaagatgt accaagggtgg tgctggcca 60
gacgtgggtg gtgctgggtgc agcagacgt gaggatgctg ctccctccttc tgggtggaaagt 120
ggtgctggcc ccaagattga ggaagtggac taaatgttagt tgctttcctc cagatacctg 180
ttttaaaaac ttatttact ttatgcttt ttaattggat ttaatcgca tgattttct 240
tggatggat tcaaactatt ttcccttct gatat 275

<210> 47680
<211> 262
<212> DNA

<213> Glycine max

<223> Clone ID: 701037819H1

<400> 47680

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agtgttagttt tgtggtatca agttttgatc attagcaact tgtatgtga gttgtctcat 120
tatgttcgat cgtatgtatc tgtgcgactc gaggagttag aatcttgta ttttcctgtt 180
aaatatctac aatatatcat ataatatttt aattgtcttg aatttttag aaacggaggc 240
aagtgactga ataaaagggg gg 262

<210> 47681

<211> 271

<212> DNA

<213> Glycine max

<223> Clone ID: 701037820H1

<400> 47681

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tctttctctt cattttcttc gctcttcgat ctgcgtccgg ggactgctcc gaataaccacc 120
accaccactc gccgatggcc acgatcgag gcttacacga ctcccaaggc tctcaaaaca 180
gcgtcgaaac cgaagccctt gctcgattcg ccgttagacga acacaacaag aagcagaatt 240
cgcttctgga gtttgctagg gtggtaggg c 271

<210> 47682

<211> 271

<212> DNA

<213> Glycine max

<223> Clone ID: 701037821H1

<400> 47682

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aaacccacca agccagggtt ggaggagtcc caggaacaga tccataagat aaggatcacc 120
ctttcttcca agcacgtcaa aaacctcgag aaggtttgtc cgacttggt tcgtggtgca 180
aaggacaagc gcctcagggt taagggacct gtttagatgc ccactaaggt tcttcacatc 240

actaccagga agtccccctg tggtaaggt a

271

<210> 47683
<211> 270
<212> DNA
<213> Glycine max

<223> Clone ID: 701037822H1

<400> 47683

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cttggcactg aacattatcc tccatcaaaa ataaaaattc agagcagaat aacaacaatt 120
caggaaaaca aaaaaactca gccacataat ttcccttcaac tcatggcttg tactgagcat 180
ggccatggct ctgtgttgtt gggttttgtt ttgttgagtt tagctgcttc acaaagttgt 240
tgttatggtt tgagcacatt tgggttgac 270

<210> 47684
<211> 272
<212> DNA
<213> Glycine max

<223> Clone ID: 701037823H1

<400> 47684

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cctcttcaag acctctgtgt cgcagacctt gcttcagcgg ttaaagtgaa tggattcaca 120
tgcaaagatg ctgccaaaggta aaatgcgagt gatttcttct cagacatact agccaaacca 180
gggccacaa acaacaccta tggctcccta gtgactggag ccaacgttca gaacatccca 240
ggactcaaca cccttggcgt gtcttatca cg 272

<210> 47685
<211> 268
<212> DNA
<213> Glycine max

<223> unsure at all n locations

<223> Clone ID: 701037824H1

<400> 47685

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ttagtgcctc cttgccagaa gttaaaatgg cncaagaaaac tttccttattc acatctgaat 120
cagtgaacga ggggcaccct gacaagctct gtgaccagat ctccgatgct gtgctcgatg 180
catgcttggc gcaggaccct gacagcaagg ttgcctgtga aacctgcacc aagaccaaca 240
tgtgtatggt ttccggagag atcacaac 268

<210> 47686
<211> 270
<212> DNA
<213> Glycine max

<223> Clone ID: 701037825H1

<400> 47686

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tgaatttcga cgtggcggcg cagattaaga tgggtgtgggaa agtgatcaag gcccattga 120
tcgtgccact gctgaacctc gcagtgtaca tttcccttagc gatggcactc atgctttca 180
tggagaggggt gtacatgggc attgtcatca tcctcgtaa gctttctgg aagaagctcc 240
accagcgcta caagttcgag ccactccaag 270

<210> 47687
<211> 270
<212> DNA
<213> Glycine max

<223> Clone ID: 701037826H1

<400> 47687

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atcgaacaaa acgcttacat aaaactcgcc cttcaactccc tcaaacaccc aacccggcc 120
gtcaacggcg tcttgatcggt tcgcatactcc gttccaacg acgtcgatcg gatcgccgat 180
gccgtccctc tcttccactc tcacatcccc cttcttctcc aattggagat atctctcatc 240
atgatagagg aatatttttc tgctaaagg 270

<210> 47688
<211> 272
<212> DNA
<213> Glycine max

<223> Clone ID: 701037827H1

<400> 47688

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ccaaaccctt cactctctca ctccaaacca ctcttctccc tcttctacgc agaacaacca 120
ctcattcccc atcgctaaca ttccctctcc gaccctctcg ccgttcttc gttacctccg 180
ccaccactgc acctcctcaa tccgaggatt ccgacgttcc caccgtcatt cctcccgaca 240
atcgcatacc ggcaaccatc atcaccggct tt 272

<210> 47689

<211> 272

<212> DNA

<213> Glycine max

<223> Clone ID: 701037828H1

<400> 47689

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caaatcattt attgtttgtc tatcgaatcg gtgagaaaaat ggcagtggag ctgatgggggt 120
tcccccaaat gggcgaacag aaggcaattt aagaaggcagc cgccgaaggc ctcaaggggca 180
tggAACACCT cctctgtctc ctctccatc aaccttccc cctccgcact caccacaccg 240
acgccaccgt ttccaaacttc aaaaaactca tc 272

<210> 47690

<211> 137

<212> DNA

<213> Glycine max

<223> Clone ID: 701037829H1

<400> 47690

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gtggcaccgc atgccttata tgtataatta aatactactc aggaactgaa gcaatgaaag 120
tatagaatta attttgt 137

<210> 47691

<211> 274

DRAFT

<212> DNA
<213> Glycine max

<223> Clone ID: 701037830H1

<400> 47691

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gatattatcc caatttcaca aaccccaacc tcgcttctc tgtcatccaa ttcacaccgc 120
catggatccc aaccccgaa cttccctct cctctcctac atcatgtcgc gcctccctc 180
cctcactccc agacccgccc caccggcacc ctccgattcc gaccaattcg acatcgaaca 240
gccacccggag attgtgggcc aaatgccgca cctg 274

<210> 47692
<211> 278
<212> DNA
<213> Glycine max

<223> Clone ID: 701037831H1

<400> 47692

cacgcacaaa cgtagagtca gactctccaa tcttcaatcg gagacaaagc tagctcgaac 60
gaacgaagta gagtagtgtg ctacgcaaaa tgtggcggtg catgcacgt cgtctccgtg 120
gacctgcttc caccagatcc acctcccatc actcacttgg atctcaactt tctagattct 180
tctctagtgg ggcgaactcc tcgtacaccg tggtgatca tacttatgtat gctgttgtcg 240
taggagctgg tggcgcgaaa ttgagagctg ctattgga 278

<210> 47693
<211> 283
<212> DNA
<213> Glycine max

<223> Clone ID: 701037832H1

<400> 47693

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tagttcacac taatctttta gctgagtgaa gagaacacaa gagcctaag gtactctgat 120
gttttatca catgatcata gggtcatttt gcaatctcac tttttaaaac aaagtttgg 180
aattctaatt ttataaacct ttttattttt gaatatctta tttagacaccc tttcttctta 240

cattctttat tatttgaata tgttcaagtt tgtcgtactc ggg

283

<210> 47694
<211> 284
<212> DNA
<213> Glycine max

<223> Clone ID: 701037833H1

<400> 47694

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aaactctcag ttccgtctc aagatatgtc atttcacag ccagaaaacag atattcttgc 120
agacattctt cctcaaggcac cattatctga gatgcattca cagcagaaca ttccagttcc 180
tacagatcaa ttttctcaac aaccctttc tgctcctaattt ggccaaccag gacaagtaca 240
atcatccctt tcattctccct ccagtcaata tgcacaacca ccct 284

<210> 47695
<211> 257
<212> DNA
<213> Glycine max

<223> Clone ID: 701037834H1

<400> 47695

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cttcaacaga ttatggaggt tcaaattttc atgttaatga ggcaaagccg gtcattttcc 120
cccaacagtc ctttgttcaa ccaaaaccta ctactactcc gtctgttggttt aacttggttc 180
catctgttat tgatctaacc ggactcggag ttccagaaga tggcaagaaa atgatcactg 240
actttatgtc aactatg 257

<210> 47696
<211> 275
<212> DNA
<213> Glycine max

<223> Clone ID: 701037835H1

<400> 47696

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cataaacagcg gtacagctga agactgctct tgctgtggc aacctgaaat ttccgctctc 120
agttgttcag caaatgatca ggtatgtacga tttcgacagg aatggtacta tgagcttca 180
agaatttgtt gcactcaaca acttccttct taaggttcaa catgcattt ctgatctaga 240
gaggggtcgt gttttcttg tacctgatga tgtat 275

<210> 47697
<211> 271
<212> DNA
<213> Glycine max

<223> Clone ID: 701037836H1

<400> 47697

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aacaagttcc ccgagagaca gccaaattggg acggcggcgc agagccaaga cgactgacag 120
gactaccagg agccggcgcc ggccggcgtg gttgacccga cggagtttac gtcatggtcg 180
ttttacagag cagggatagc agagttgtg gccactttc tgtttctcta catcaactgtc 240
ttaaccgtta tgggagtcgc cggggctaaag t 271

<210> 47698
<211> 270
<212> DNA
<213> Glycine max

<223> Clone ID: 701037837H1

<400> 47698

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cgaaccgctg ccttaagaaa tgagcttgaa gagcctcgaa gttcagaggg ggatcaactt 120
ccaagactcc agagtctaca aagaatccta caaggcagtg ttgcagtaca agtgaatagt 180
ggagtcttga gtgtctgcac tgccttcttg tccggggagc ctgcgaccag gttacgatca 240
caggaactgc agcaacttat agctgccctt 270

<210> 47699
<211> 274
<212> DNA
<213> Glycine max

002230 47700

<223> Clone ID: 701037814H1

<400> 47699

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gaaaagggttc acatcagtat tgtggtcatt gccatgtcg actctggaa atccactacc 120
actggtcacc tgatttacaa gcttgaggc attgacaagc gtgttattga gaggttttag 180
aaggaagctg ctgagatgaa caagaggctt ttcaagtatg cctgggtgct ggacaaactt 240
aaggctgagc gtgaaagagg aatcaccatt gata 274

<210> 47700

<211> 273

<212> DNA

<213> Glycine max

<223> Clone ID: 701037784H1

<400> 47700

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gctcctatct cttctctgcg acgacgcccgt ttctctccct tgaggccttt tattcaagca 120
tgggagatag cgaaccgggtg gtcactgaag catctgctgc tgaggcatat gttcggctg 180
gttatgctga gactgggtca aatcctactc ccgacgcagg tgctgctgtt gatcaatccg 240
ctggagaagc tgctcaggcc agctcaactt acg 273

<210> 47701

<211> 275

<212> DNA

<213> Glycine max

<223> Clone ID: 701037785H1

<400> 47701

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cgatctatgg ctgtcaaata cttctgcaca aggagcatgc tattccagtt cgtcacttg 120
ctaaagagtc tgcacctcct gcccttaagg gagatcagat gctgaagaac atttttgtgg 180
aggtgaagaa caaatttgag actgccatag gaatattaga gaaggagaag atcaccattg 240
acccagaaga tccagctgct gtttctcatt atgca 275

<210> 47702
<211> 278
<212> DNA
<213> Glycine max

<223> Clone ID: 701037786H1

<400> 47702

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cattccctag agtaagaccc tcccctccat ttctcattat tcattaacgc cgataaagca 120
aaaaatacac ctttcacaag ttcacataaa cacacccgaa gagaaaaaga aataaagaga 180
gagagagagt cggtagggt tttgttcttt gttactcggt tccttccaaa ttagggtttc 240
ccttttgat tcaccaaact tctccgatt cgaattcg 278

<210> 47703
<211> 275
<212> DNA
<213> Glycine max

<223> Clone ID: 701037787H1

<400> 47703

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ctcatattaa ctgcaactgc aactacgaac tacgaacatc agggtagtga ttaagaaaaa 120
ccctagcaat gggagaag cagcacagca aagacagaat gttcatcacc aaaacggagt 180
gcgcaacgga gtggggaggc gctaatcca aagaaaatcg cactcccttc aaacgtcttc 240
cttctattg ctgctcgctt acgttacgc cgttt 275

<210> 47704
<211> 275
<212> DNA
<213> Glycine max

<223> Clone ID: 701037788H1

<400> 47704

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accgttgctt tgtcgggtggc ctcgcttggc ccactgacga ccaagctctc gagagagcct 120

tctctcagta cggcgaaatc gttgaaacga agattatcaa cgatcgttag actggaagat 180
ccaggggtt tggatttgta accttcgcct cggagcagtc catgacagac gccatcgaac 240
ggatgaacgg ccaaaacctt gacggccgta acatc 275

<210> 47705
<211> 272
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<223> Clone ID: 701037789H1

<400> 47705

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gagcgaacaa gttccccgag agacagccaa ttgggacggc ggccgcagagc caagacgacg 120
gcaaggacta ccaggagccg ggcgcggcgc cgctgggtga cccgacggag tttacgtcat 180
ggtcgtttta cagagcaggg atagcagagt ttgtggccac ttttctgttt ctctacatca 240
ctgtcttaac cggttatggga gtcgcggggc ta 272

<210> 47706
<211> 269
<212> DNA
<213> Glycine max

<223> Clone ID: 701037790H1

<400> 47706

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tggattcggtt accttcttct tgcaagaatg ttgagattaa taaggatcct aatgtatgtc 180
aagcgataacc gagccttgt ggcaacttta ttgactctca taccaagttt gatgccatac 240
ctagggatca tattttgtac cttgtgtat 269

<210> 47707
<211> 267
<212> DNA
<213> Glycine max

<223> Clone ID: 701037791H1

<400> 47707

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tgtcaagg ttc ctacttgaac gtggttacac tgtcaggcc actgatccaa acccaaatga 120
tcacacgaag gtagaacatt tgctaaaact tgaaggtgca aaggagagac tgcacccttt 180
taaggcagat ctttggtg aaaattctt tgactccatt gttgaggcgt gtgatggcgt 240
ctttcatact gcttctcctt ttattat 267

<210> 47708

<211> 268

<212> DNA

<213> Glycine max

<223> Clone ID: 701037792H1

<400> 47708

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gttctaattt ttcgcctatt gggttctact ccttctctc ttcgttccg atcgatccaa 180
ttttcttccc atggctacga tcggacacaa caatctcaat gccaaattgg ttcttctcgg 240
ggacatgggt gctggaaat ccagcctc 268

<210> 47709

<211> 268

<212> DNA

<213> Glycine max

<223> Clone ID: 701037794H1

<400> 47709

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aagggtccgc gtccttgagc tttctcgag attgaagcac cgtggccctg actggagtgg 180
gctccactct catggtgata actatttggc tcatcaacgg ttagccatag ttgatccaggc 240
ttctgggtat caacccctct tcaatgaa 268

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<210> 47710
<211> 238
<212> DNA
<213> Glycine max

<223> Clone ID: 701037795H1

<400> 47710

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aagagatcag agattaaatc tgcaattgaa gagttgtcta tgctggttat agtcaaacct 120
gaaggaaatc atgtcatgtat tgctcacatc cccaccaagc ctttcctgtc tctatgtcac 180
ttggttctac aagttcttga taagataaga ccaacgatgg ccgttttag acaagacg 238

<210> 47711
<211> 287
<212> DNA
<213> Glycine max

<223> Clone ID: 701037801H1

<400> 47711

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gcttctggct gtgctgaggt cctcaggcaa tacgaggagt tcgacaatga gaattaatta 120
cgtaattaat ttcatgtata ctgttattat taatctactt tcgatttggg ttttctaattg 180
tctatttaat tcaatcttga tgtggagtct tatctcgaca ttttcatatt atcatgttat 240
atatgtttagt ggaccgaccc tgcttaatta tattattaca tcaagat 287

<210> 47712
<211> 282
<212> DNA
<213> Glycine max

<223> Clone ID: 701037802H1

<400> 47712

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agaatggcaa agagttactt caaacaagag catgatcttga agaacagaag agctgaggct 120
gctaggatta gagagaaata cccagaccgt atcccggtga ttgtggagaa ggcagaaaga 180

ESTIMATE-DATA

agtgatatacc caagtattga caagaagaag taccttgtcc ctgctgatct gacagttgga 240
cagtttgtct atgttatccg caaaaggatt aaattaagtgc 282

<210> 47713
<211> 275
<212> DNA
<213> Glycine max

<223> Clone ID: 701037803H1

<400> 47713

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tcttgccatc gagagccatg tccatgcattc gctaccttag gaagatttggaaagctgt 120
ttggccaaac actccccattc ccactgcact gcgagagact ctaaaggctc tcctacagg 180
tggtaaatc gatgaactcc ctaagcaaattgatgataca cagtagccaa aacatttt 240
ctataaagaa gaccttcattc caggcaaaac aatga 275

<210> 47714
<211> 111
<212> DNA
<213> Glycine max

<223> Clone ID: 701037804H1

<400> 47714

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atcgatcttcccttccatcgatctcaatcg aagccctcaa tttccacaca a 111

<210> 47715
<211> 276
<212> DNA
<213> Glycine max

<223> Clone ID: 701037805H1

<400> 47715

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tcggccggcg cctctactgg ttctgtgttctggcccgcccgagcag aagggcaaac 120
gcccacccga tctatccggc ggctccatct ccggcgagaa agtccaagac aactacaagc 180

cgtactggtc cttttccgc cgccccaaagg agatcgagac cgccgacaaa gttcccgact 240
tcgtcgacac cttctacaat cttagtcaccg acatct 276

<210> 47716
<211> 274
<212> DNA
<213> Glycine max

<223> Clone ID: 701037806H1

<400> 47716

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ttttgaagtgttgaggagtt gtaggatcat atcctacgggt ggttatcatc gcaggctaacc 120
aattctccaa cggAACATGT ctcatggca tcaccgatcc ctgcagaata ttgtgtaaatc 180
agactagtca ctaatctctt tggttgacaa taattgtcat aataccagtg attgttgcat 240
agaaaaatttttgc cccatgttatt tataacctcag caca 274

<210> 47717
<211> 271
<212> DNA
<213> Glycine max

<223> Clone ID: 701037808H1

<400> 47717

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cattgttggt atcctgaaa ctgatgacat caaggatctt aaaccccttga atgatagagt 120
cctcataaaag gttgctgaag ctgagggaaaa aacctctggc ggTTTgttgc ttacagaggc 180
aaccaaggac aaaccttcga ttggaacagt gatagccgtt gggccggggc atctggacga 240
ggaaggcaac agaaaacctt tgtccgtgac t 271

<210> 47718
<211> 273
<212> DNA
<213> Glycine max

<223> Clone ID: 701037809H1

<400> 47718

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ttctgcacctt tagagagacc accagacatg gctggcagta accaggtcaa tctcaatgaa 120
tcttaggagtg ttgttccgtt aaatacatgg gtgcttattt ccaattcaa gctgtttac 180
aagcttctca gacgtgacga tggaacgttc aatcgtgagt tggcggagtt tctggatagg 240
aaggcccccg cgaacgcaat tcctgtgaa ggg 273

<210> 47719
<211> 270
<212> DNA
<213> Glycine max

<223> Clone ID: 701037810H1

<400> 47719

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aaccgcaacg cgaaatctct tttctcgaac tggctaactc tcaggcaagt ggttcggacg 120
ctgattccag caacaagcgg ctggtgctcg cactgtatga cgcctaaac tccggcgact 180
ccgacccgt cgtcaagatc gtcgcccgg acctcgagtg gtggttccat ggtccggccct 240
cacaccagtc tttgatgcgc atgctcaccg 270

<210> 47720
<211> 271
<212> DNA
<213> Glycine max

<223> Clone ID: 701037811H1

<400> 47720

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aggactggcg ttttgacttt ctcagaatgt cctgcattca gtacctcaaa cacacctgaa 120
tcctttgctc tctccctaga acggtgacca cgatccttga gtttgcctt ctcagcttcc 180
tctcgttcac gctttgtcag aatcccttct acgatctcta tctctggatt ttgttctgtc 240
cctgtcacga tctctatctc attcccaatc c 271

<210> 47721
<211> 271
<212> DNA

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<213> Glycine max
<223> Clone ID: 701037812H1
<400> 47721

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gggttgcagaag gtcaagagat gcgaatcaag gggcatgac cttggaaac agtcacagcc 120
attcagaata attgtgtcca ttagatgtaa tataaataga agtaaaccag aatggaaag 180
acactctgga attaggaaga atctgaattt tggagagaca ggctctcgaa aacctgtgta 240
ataaaaatatc tcaaattatc tataaaaatt t 271

<210> 47722
<211> 248
<212> DNA
<213> Glycine max
<223> Clone ID: 701037813H1
<400> 47722

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ttttttatt cttgggttaa ccgaggcatt ttattaaccc tatttgcatt tggttcttt 120
tttttttgg aaagatcact cagttaattc ttcattgtaa gtagagtaca aaatttctaa 180
ttaaacatta gatattttta atctgtataaaaattcagc tattaagaac aatctggtgt 240
tgtacttc 248

<210> 47723
<211> 275
<212> DNA
<213> Glycine max
<223> Clone ID: 701037783H1
<400> 47723

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ggtaataact ccccgaagga ttaccatgac ccaccccg cgccgttgat cgacccagat 120
gagctcacta agtggtcattt gtacagagcc gccatagctg agttcatagc aacactcatt 180
ttcccttaca tcaccgtgtt gaccattatt ggctacaaga gacagagtga caccaagatc 240

cccggttaaca ccgagtgcga cggcgttggc atttt

275

<210> 47724
<211> 262
<212> DNA
<213> Glycine max

<223> Clone ID: 701037757H1

<400> 47724

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gcagatgcac tttcaattgc atgcaccacc accacaaatt ttcagtatgc aaaacccgaa 120
tgcttgttct gtcatgttag tgacgctgtt tcttccatt caactggctg acggatcg 180
ataatcatcg tgtgcttaga gaactagact ctatgtatcta gttctctaag cacaccatca 240
ttatcaccat ccatcaccca gt 262

<210> 47725
<211> 279
<212> DNA
<213> Glycine max

<223> Clone ID: 701037758H1

<400> 47725

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tctcaactcct cgggtgcctt cttaaccac ttccactcct ccgcattgccc cttcttcttc 120
ctcccttccc cttctctgga taaggaaaga cggagcaaag cgtaagaacg gcaggatgag 180
taaaaaacaa agagagcaa atcactttgt cctggtgcat ggtataggcc atggtgccctg 240
gtgttggtac aagcttaagc cactgttggaa atccgccc 279

<210> 47726
<211> 272
<212> DNA
<213> Glycine max

<223> Clone ID: 701037759H1

<400> 47726

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tttcttggc cccaagcccg ttcctatgaa gcacgttgtt gggccggcga agccacgaag 120
ctgtaccggg gcgtgaggca gaggcattgg gggaaagtggg tggcggagat aaggctaccg 180
aagaaccgaa ccaggcttg gctcggAACc ttgcacacag ccgaggaAGC cgctttggct 240
tacgacaaag ccgcgtacac gctccgaggc ga 272

<210> 47727
<211> 273
<212> DNA
<213> Glycine max

<223> Clone ID: 701037761H1

<400> 47727

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ctcgTTcgCG ccaaagatgg cagtgcTTT gctcgTTcg acgattgcaa gaagaatgtg 120
ccggtaCGca ctcatcgaca tgcacagttt cagcCTTgaa gctaaaatta aaatgaacct 180
agacgctcaa gttgtggaac aggctgctga agctaagaag ccagagagga agaagccaa 240
atctaaagag cctatggcaa aaaaggctaa agt 273

<210> 47728
<211> 270
<212> DNA
<213> Glycine max

<223> Clone ID: 701037762H1

<400> 47728

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atggcAATA cggggAATTt agacgCGGCG atagAGCAAT tgctGAACGT ggagaAGCAG 120
atgaggGCTG ccggTGACGT ggcGGGTACCG agaaaaAGCAG ccaccGATAT tttGcAGCTC 180
tgcttcgatG cacgAGCCTG gaaaACACTC aatGACCAGA ttgtcgtttt gtcaAAACGA 240
cgtggccAGC tcaAGCAGGC tgtaACAGCT 270

<210> 47729
<211> 272
<212> DNA
<213> Glycine max

<223> Clone ID: 701037763H1

<400> 47729

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tttgaatca tcagccaaatc ctatcaatc tccccctgct gaaggcgaca agcacaagca 120
tttggacagg gaaatttaggg agatggtatac tgccatcact caccgtgtaa ctgattttca 180
caaagctggc tccacccacc atttggagaa agagcatgaa gatgacacga ggatcattac 240
cctcacagga accaatgatg gagcaacact gc 272

<210> 47730

<211> 271

<212> DNA

<213> Glycine max

<223> Clone ID: 701037764H1

<400> 47730

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gccaccaagg atgtcagagt ttcttctcggt atctggcttc gataggcctt tgaaacaact 120
ctctcagatt gagatcaacg gtatttggaaatgtacgagcac cctcctgctt caaaaggcagc 180
cattgattca ttaccaacca tcgaaatcga tgacacccat ttagccatgg aatcacactg 240
cgcggctctgc aaggaagctt ttgaaacaag c 271

<210> 47731

<211> 270

<212> DNA

<213> Glycine max

<223> Clone ID: 701037766H1

<400> 47731

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tcatccgcaa gaaaaaaatg gcatctcaca tcgttggata ccccccgtatt ggtcccaata 120
gagagctaa gttcgctctc gagtctatct gggatggcaa gagtactgct acgatttgca 180
caaggtgtct tctgatctca cggcatccat ctggactcag atggctcatc gtgggatcat 240
gtacatcccc agcaacactt tctctacta 270

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SEQUENCE

<210> 47732
<211> 274
<212> DNA
<213> Glycine max

<223> Clone ID: 701037767H1

<400> 47732

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tctcctcctt ctctcccacc ttctgcgacc acctcgccga cgacgaggac ctcagcttcc 180
tcgacgagcc ctccgcccgcg ccggagcacg accaccacta cggcgccgat gactccaatt 240
tcggcgactt tgaggacttc gaggacgacg acgc 274

<210> 47733
<211> 277
<212> DNA
<213> Glycine max

<223> Clone ID: 701037769H1

<400> 47733

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cggcgatggc tgtattacta ctaaggaact tggactgtg atgcggtcac tagggcaaaa 180
cccaactgag gcagaactgc aggatatgtat taatgagggtt gatgctgatg gcaatgaaac 240
catcgacttc ccagagttcc tcaacctgat ggctcga 277

<210> 47734
<211> 277
<212> DNA
<213> Glycine max

<223> Clone ID: 701037770H1

<400> 47734

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gtgaaggctg aggctccatt gtccgattcg aaagcttcgg cgaggcgaa cgtaatagtg 180
gtcccgagct actctcggtt gttctcggtt gattcgattt acgaatgcga ggtgcgtcac 240
ctccccgagt tcttcgaatc ggcgtcgaag agcccta 277

<210> 47735
<211> 275
<212> DNA
<213> Glycine max

<223> Clone ID: 701037771H1

<400> 47735

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tctggagctg tcaagcatga agacattgtt gaacaagtga aaaagtgtt taccaagttt 120
tcaacggatc ccactaccac atctcaatca gttgctaaag agccagctat ttttactgg 180
tctgagggtta gaatgcttga tgatgatatt cccctagcac aatatgtgt ggctttgaa 240
ggggcatctt ggaaggatcc cgattcgatt cctct 275

<210> 47736
<211> 275
<212> DNA
<213> Glycine max

<223> Clone ID: 701037772H1

<400> 47736

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ttaactctta ttttgaagca aaagaaacac acaataaaga gagaaatatt gcagtatat 120
ttttctgggg gttgagaaag agaacagaag aaaagacaga aagctcaacg tcagagttt 180
ccgtataagg ttgcgttatt gtgtgttgtt ggtttggac tagctgaggt ttgtccttt 240
gatcccagaa acctttccag catttggaaaa accaa 275

<210> 47737
<211> 275
<212> DNA
<213> Glycine max

<223> Clone ID: 701037773H1

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<400> 47737

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attgcCTAAG ttcaCCAAAT ggcaAGCCAA gctagtGAAT ggatcATTG attttATTG 120
cttAAACTAT tactcctCTG gttatattAA tggtgccCT ccaAGCAACG acaaACCCAA 180
tttCTaaca gattctcgca ccaacACTTC atttgaACGC aatggaAGAC ccctaggTCT 240
aaggGCCGCT tcagTTGGA tataCTTTA tccaa 275

<210> 47738

<211> 271

<212> DNA

<213> Glycine max

<223> Clone ID: 701037774H1

<400> 47738

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cgatgactgc ctccaaggat cgcgagaact tcgtctacat cgccaaACTC gccgagcagg 120
ccgagcgttA cgaAGAGATG gtggaatCAA tgaAGAACGT tgCGaatCTC gacgttGAAC 180
tgacggTgGA ggagcggAAAT ttgcttCTG ttgggtacAA gaatgtgatt ggtgctcgca 240
aacgtccCTG gaggatcctG tcttccattG a 271

<210> 47739

<211> 272

<212> DNA

<213> Glycine max

<223> Clone ID: 701037775H1

<400> 47739

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gattgatcag gaaatatGGG cttatgtGTT gcaggcAGtG cttccGAAGC aatGCCAAGG 120
aaattggctt catcaagtAT cggtaAAAGA ttatTTCC acctGCCCA cccggTTG 180
attcttgcat caggctatGA tgacgtGGGG atgatTTAC tgtgtGAAGA acttAAAATT 240
ttttgtgaca tttagcaaAG ttaattatCA aa 272

<210> 47740

18979
<211> 272
<212> DNA
<213> Glycine max

<223> Clone ID: 701037776H1

<400> 47740

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tcccagcttc accggctatc gcgcgtcagc tcgagaaacc cggttccttc atcgtcgact 180
acaacgttcc caaaaaggac ttcggtttc agtttatgaa cacggttagg gttcgggaga 240
cgccgttcaa tttgacctac gcgcacagca gg 272

<210> 47741
<211> 272
<212> DNA
<213> Glycine max

<223> Clone ID: 701037777H1

<400> 47741

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ctgaagggag attccgttcc tgttgaaacg gaagttagag cgaacgtggg agcttcccag 180
aacaaaaattc ttgctgacat aagcaacttt ccccaacaac caaagcaaca catctctgtt 240
gaccacccccc tcaaggaaaa gggaaatttt at 272

<210> 47742
<211> 269
<212> DNA
<213> Glycine max

<223> Clone ID: 701037778H1

<400> 47742

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gctgttcctt ctctacgaat ccgcttcggg ctacaccctg ttcgacgttc acggcctcga 120
cgaaatcgcc cagaacacccg aagcggttcg gaactccgtt tcggacacctca acagggttcgg 180

caaaagtcgtt aagcttcgct cttcaaccc tttcacttcc gctctcgatg ctctcaaaca 240
gtgcaacgcc gtctctgaag gcataattaa 269

<210> 47743
<211> 266
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<223> Clone ID: 701037779H1

<400> 47743

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taccatcggtt agcatcaagg cccgccagat cttcgacagt cgtggcaatc caactgtcga 120
ggtgtgatttg acttgctccg atggtacttt tgccagagct gctgttccaa gtgggtgcattc 180
caactgggatt tatgaggccc ttgaatttag agatggagga tctgactacc ttgganaggg 240
tgttatcaaag gctgttgaca atgtga 266

<210> 47744
<211> 271
<212> DNA
<213> Glycine max

<223> Clone ID: 701037780H1

<400> 47744

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cgagtcgagc atgaaggat accctcatcc ttcgatcagc agcaaagggg ctttcgaatg 120
gaccatcaac aagatcggtc gcaacaacgt ctctgccttc aacttcttt ttcttcacgt 180
tcaagtcccc gatgaagatg gtttaatga catggatagt atctacgcat cgcctgacga 240
ttttaagaac atgaatcaga gagatagaat t 271

<210> 47745
<211> 272
<212> DNA
<213> Glycine max

<223> Clone ID: 701037781H1

<400> 47745

ggagaaaatta ggtgacagaa ttaccgcct tcataactc gtttccccat tcggaaagac 60
tgacacggct tctgtcttat tagaagctat tggctatatc agattccccc agagtcaaat 120
tgaggccctt agcttaccat acttggcag tggatcagga tacatgagac agcaacaatc 180
cgtaagacat aataccaacc caccatttct ggttcaagga gagaacaatt gtatattccc 240
tgaagacacc tgtcagttgc tgaataaaa ct 272

<210> 47746
<211> 277
<212> DNA
<213> Glycine max

<223> Clone ID: 701037756H1

<400> 47746

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gcaaaataat tcttagtaatc cataatttgt tgccgttctt ctttcgtaca atgtcagcac 120
tactctagca ttcccaactc tacaaacaca tcatacatctt tttgctttt tcttcttctc 180
actaactcag acaactacca tggcctcaaa atccagaccc aatctatctg aaaattccaa 240
caaaggatca attgcaactc cttagtcag taaaact 277

<210> 47747
<211> 273
<212> DNA
<213> Glycine max

<223> Clone ID: 701037731H1

<400> 47747

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gagaagtaaa actgaactcg ataatctcg tgaactcagg acaaattgaa tacttaattt 120
ctttctctc tagaaacgta tagacgaaac aatttctatg actatttctg cttctgcttc 180
agatgcaacc ttttagttt tgcagtgcc acttcatgtc ttcatccctt cttctaattc 240
tccgatctcc gatgtttccc ttcccaagaa gac 273

<210> 47748
<211> 276

<212> DNA
<213> Glycine max

<223> Clone ID: 701037732H1

<400> 47748

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tgcttcctcta tttcatgagg gctttctaga tgaccaattt aaccagcttc agcaacttca 120
agatgaaagt aacccagatt ttgtggttga agtggtgact ctctttttg aagacgcgga 180
taggcttctt aatgagctca caaaagcact aggccagcca agcattgatt ttaaaaggtt 240
ggatgctcat gttcaccagt tgaaggtag cagctc 276

<210> 47749
<211> 279
<212> DNA
<213> Glycine max

<223> Clone ID: 701037734H1

<400> 47749

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aacacttgca ataccagagt tggatgcatt actaatggat gatgaagggc ttggatggga 120
tgaagcatgg gatgtgacat caaagactat tgcgtacact aatcatactg tcctccctga 180
agcaactggag aaatggtctc aacctgtaat gtggaaacta cttccacgccc atatggacat 240
catacaagac atagacaaga gattcactgc aatgataaaa 279

<210> 47750
<211> 261
<212> DNA
<213> Glycine max

<223> Clone ID: 701037735H1

<400> 47750

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ctctctctct ctctctctac acagtgacaa tggcggtatcc aatcgcaag gatctgatcg 120
cgtttgcgtt ctttagcctcc ctcttgctgt gttcacatgc ttgctgagac gttccctaca 180
tcgttgcgtca aaagataggc tccctcaaca gactcaagta ctacgcccggaa aggtgactcg 240

aacatagccg acatcttcag a

261

<210> 47751
<211> 274
<212> DNA
<213> Glycine max

<223> Clone ID: 701037736H1

<400> 47751

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aagtatacgg tcaccactgt gcttccacca agcgggtgct ggtttgcgt gttagcagg 120
aagtgcatt tgaagttgtc cctgttgcgt tcactaacgg ggaccagaag gatcctgagt 180
acctcaaact acagccattt ggagttgttc ctgtcatcaa agatggagac tatacctcat 240
atgaatctcg agctataatg aggtattatg caga 274

<210> 47752
<211> 278
<212> DNA
<213> Glycine max

<223> Clone ID: 701037737H1

<400> 47752

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tctggcagtt gttgccagcg tcttggcgt ggtctgggtc gtcaatttca ggggtggctt 120
ggcttggat tctgataaca agtccctcat cttcaacatt catccagttc ttattgttat 180
tggcttacta gttcatgggg gtgaagctat tataagttac aaagctctt cccctaaaga 240
aggaagtgaa gaaattgata caccttggtt tccatgcc 278

<210> 47753
<211> 132
<212> DNA
<213> Glycine max

<223> Clone ID: 701037738H1

<400> 47753

gttggaggaa ttgttagcag tggacgagga agtagcacgg gaagccgaaa agggtggcga 60

DNA sequence

gaaattatcc gaagcagagg tttttagcac agccgacgcg atcgtaattg acctcgtag 120
cgatgacaca ta 132

<210> 47754
<211> 279
<212> DNA
<213> Glycine max

<223> Clone ID: 701037739H1

<400> 47754

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caccaacacc aactttgacc tcgacgccaa ccacgccaac catgctgcc tacctccaag 120
gccgcgtggc cactcgccctc cagcagttcg tgctgctccc agaggcagcg cagcgcgaga 180
tcctcgacct cgaagtctac ctgaccaacc accagaccgt catcttcagt cagcaccacg 240
tgaagctcgt caagagcgtg cgtcgcgtcc gcgtcaaag 279

<210> 47755
<211> 276
<212> DNA
<213> Glycine max

<223> Clone ID: 701037740H1

<400> 47755

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acatcaacac tgacgtcatt ggacatgctc gactctggtg aagtcgacta tcactggta 120
tttgcgttac aagctttgag gtattgacaa gcgtgtgatt gagaggttcg agaatgaggc 180
tgctgagatg aacgagagcg tcattcaagt atgcctggc tgctgacaag ctcgaggctg 240
agcgcgcacac aggaattacc attgatattg ctttgt 276

<210> 47756
<211> 273
<212> DNA
<213> Glycine max

<223> Clone ID: 701037742H1

<400> 47756

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tgagaaggct tatatgtc tttttatcc ttgcatggaa attctgtatg agtgcacga 180
ggatgttagcc agtggtagtg agattcgac tgggttttgc gctggcgtc gctttatga 240
gaaagagggt ctacctgctt ttccatggg taa 273

<210> 47757
<211> 259
<212> DNA
<213> Glycine max

<223> Clone ID: 701037743H1

<400> 47757

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ccccaaatcac gagtcattt agtttgcattt tgtggatgaa aagcatagat agggcttttgc 120
caaaactctc caatgtttct tgaaattata tgaccatgac tcgaattcgt atgctgcact 180
ccttctccgt cgtgttcctc tactggttct acgtttctc atgaactccc tcttaaatcc 240
gtgattaatt agatctatc 259

<210> 47758
<211> 274
<212> DNA
<213> Glycine max

<223> Clone ID: 701037744H1

<400> 47758

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acaacacgcac cggtcttcc tctgtctccg ccaagggtgc cgccgttacg gcccggaa 120
agcgccgcaaa cgccggtaaa cgccgcattt gcaagggttgc gtgttttttttgc 180
tggatgtatcc ttcaatgtat ccgtggaa aagaggaaac caaaacaaag ggtcctaaaa 240
agaaatccca ttcaaaacca aaagacaaga tgg 274

<210> 47759
<211> 273

<212> DNA
<213> Glycine max

<223> Clone ID: 701037745H1

<400> 47759

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cagatataaga agtgcttcaa gctatacgtg ttgcacaccc tgagtgtcag tttattcttg 120
atgctaataatga ggggtataaac tctgaggaag cagttgaagt tcttgagaaa ctacatgata 180
tgagggttgcac tcctgttcta tttgagcaac cagttcatag agatgattgg gatggtcttc 240
ggtatgtcgg taatatacgca agagagagat atg 273

<210> 47760
<211> 274
<212> DNA
<213> Glycine max

<223> Clone ID: 701037746H1

<400> 47760

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catgcagaac tgtgacccaa ccatttcatt ggctgacttt agtaaaggag acagaagtaa 120
aaacacctcgcc gagtgaggaa gacgagccga gctataccga ggatgggtt gattgtcacc 180
atgaaacaac tagagggaaag aaaggatcac ctggcagcg tgtgaagtgg actgataaga 240
tggtaaagct tctgataaca gctgtttctt atat 274

<210> 47761
<211> 270
<212> DNA
<213> Glycine max

<223> Clone ID: 701037747H1

<400> 47761

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caactcttggc cttgcgagag aaagccatgc cagacacgca gatTTTGGC atgctgttg 120
gccaacact cccattccaa gttcattgcg agatcttcta aagcctggcc ctgcaagtgt 180
tgaaatcgat gctcacccta tgcaaattga agaaacacag taccggaaaa ctttcttcta 240

taaagaagac cttcatccag gcaaaacaat

270

<210> 47762
<211> 274
<212> DNA
<213> Glycine max

<223> Clone ID: 701037748H1

<400> 47762

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ctgtcaaagt ttatattgtg tactactcca tgtatggca tggtagaaaa ctagcagaag 120
aaataaagaa aggggcttcc tctgtggaag gtgttgaggc caagttatgg caggtacctg 180
agacactgct ggatgaggtg ctggtaaga tgagtgcacc acccaagagt gacgtaccag 240
tcattacccc caatgaacta tccgaggctg atgg 274

<210> 47763
<211> 279
<212> DNA
<213> Glycine max

<223> Clone ID: 701037749H1

<400> 47763

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gacaccatt taaaatttga aatctcggttc tggctaattc catgttcatt gtttactata 120
cctcaccact ccaagggtct cataaatttc ttctgcttcc aactctgctg cagaaaaaga 180
aactgttggt tctagataca agtgggttcc cagagtagaa gtgaggctat tgggcatgag 240
ataaacagca agcaccatca tctacgaccc ttttgacta 279

<210> 47764
<211> 277
<212> DNA
<213> Glycine max

<223> Clone ID: 701037750H1

<400> 47764

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ggaaaacttgg gcaatcaatc cctcgccgtc ttgctcacgg taataataaa gctgttgctt 120
gtcgatattt tgcctcagat gctgagctga aaaagacagt cctttatgac ttccatgttg 180
ctaattggagg gaagatggtg ccatttgctg gatggagcat gccaatccaa tacaaggact 240
caattatgga ctcaaccctt aactgttaggg agaatgg 277

<210> 47765
<211> 278
<212> DNA
<213> Glycine max

<223> Clone ID: 701037751H1

<400> 47765

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aagccaagat cgatcaagat cacccaaacgt agaagtggct tccaaggaat tagggacaaa 120
tgatgaagaa gagaagaaag agtatggtag acggatagag agagaggatg atagtccctc 180
agggcatgct cataaagttc caaggtttag tcctccaaag gataataata gtgttgacgc 240
tgaggctact atgaggaagg caagagtttc tgtagag 278

<210> 47766
<211> 276
<212> DNA
<213> Glycine max

<223> Clone ID: 701037752H1

<400> 47766

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tattcatata gttctgtctg aagagaagag ttatgatata ttaaatataa taagtggttt 120
ttttcttctt cattccacg ttccatcaaa tgaatatgct cttaacagta cagccaaagtc 180
atcataaacga ttaataatta gctcatagtt ttttggaaag agttgtgaaa atgggacttg 240
tggagctttt tggggcggca tctatgcccg tgatca 276

<210> 47767
<211> 279
<212> DNA
<213> Glycine max

<223> Clone ID: 701037753H1

<400> 47767

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aaaagaaaaac tcctgaaacc cctccgttc tctctgatgc ctctctcgac aaccggatc 120
tcggcccatt cctcctaag tcggccgtg acaccattgc ctcggcgat gggcactcca 180
atgcctcga cttcgccatc cgggactcca agtcctcga gcgctgcgcc gtcgatggcg 240
agtccagcct cgacctcgcc atgagcctct acgtcctcg 279

<210> 47768

<211> 274

<212> DNA

<213> Glycine max

<223> Clone ID: 701037754H1

<400> 47768

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tccaaatcac caattctaat tccatttttc aggtgttcaa ttgaattcgt gatgaagagg 120
gatcaccgag atagctgcgg cggcggcggc ggccggcggcg gagggagtgt gaagggtgag 180
tgttcctcaa tgccgtcgaa cggaaaggca aatatgtggg aggaacaaca atagcaacaa 240
cagggatgg acgagttgct ggcggcgatgg ggg 274

<210> 47769

<211> 277

<212> DNA

<213> Glycine max

<223> Clone ID: 701037755H1

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tgttttttt cactctcaag tacttttcc aaagaagcag aaaagtacga aacctgcccac 120
ctggtccgac tcctcttct ataatcgca accttaacct cggtgaacaa cctatacacc 180
gttttttcca ccgcatgtcc caaagctatg gaaacatcat atcccttgg tttgggtcac 240
gtcttgcga ggttgtctca tcaaccacag cgtacga 277

47770
274
DNA
Glycine max

Clone ID: 701037730H1

47770

cgaatatata taataagaca aaggcaaaaa aaagaggtga aaaaaatttg tctggtaaat 60
tgttaattct gttgtcttgc gtgttctctg gactcaggag ctgcgctgtt cccggggaaa 120
agcatgtaca gtatgaacac taaatgcagt gctggggatt gccaaattgat gtcatggtct 180
tcaccattgc caccacagtt tctttgaaac tgctcaaggt cttagggttct atttaacttc 240
tgcacctgag cttttatatt taagagtgtt tata 274

47771
96
DNA
Glycine max

Clone ID: 701037694H1

47771

caccgaggac ccgcaaaaca gtggaaattt cagcaccagc agaattccct tcagctgtgc 60
gcgtgattct cctatacagt gtgactctgc acctgg 96

47772
101
DNA
Glycine max

Clone ID: 701037695H1

47772

cgaagtctga gtgctaccgt atgtttatta aacatactgt tttaatattt atttacccta 60
acttttgctc aaaggtatct atagagagat ttgttacttg a 101

47773
92
DNA
Glycine max

<223> Clone ID: 701037696H1
<400> 47773

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tttctttttt ttacattta ccacacaaaa cc 92

<210> 47774
<211> 281
<212> DNA
<213> Glycine max

<223> Clone ID: 701037702H1
<400> 47774

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tcaaaaggaa attgcgaaga atcaccaaattt gagaaagata tacacggtcc agttggcgaa 120
gaacgagctc gtcctaagg aactggattt attgaaagac gacgcaaattt tttataagct 180
gattgggcca gtacttgta agcaagattt ggccgaggcc aatgcaaattt tccgcaagag 240
aatcgaatac atctcagctt aattgaagcg tctggatgcc a 281

<210> 47775
<211> 281
<212> DNA
<213> Glycine max

<223> Clone ID: 701037703H1
<400> 47775

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gagctcatgt tcgagacact caagcaccgc gcgcaggagt atgtcagccca cgacaacgca 120
gcagcgcttc tggctgctgg ccttgctcgc acctttgaca gaatgcctta tctgctgtct 180
ctgtcttcct ttgtggctga cgatgttgcc gctgctgttc ctgctgctca agatctgggg 240
gagcagtggt cttattaaatg gatgtgcttc aattcaaata g 281

<210> 47776
<211> 75
<212> DNA
<213> Glycine max

<223> Clone ID: 701037704H1
<400> 47776
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tccacacaac atgcg 75

<210> 47777
<211> 280
<212> DNA
<213> Glycine max

<223> Clone ID: 701037705H1
<400> 47777
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ggatagttgc ctaccatggt ggtgacgggt gacggagaat tagggttcga ttccggagag 120
ggagcctgag aaacggctac cacatccaag gaaggcagca ggcgcgcaaa ttacccaatc 180
ctgacacggg gaggttgtga caataaataa caataccggg ctcattgagt ctggtaattg 240
gaatgagtac gatctaaatc ccttaacgag gatccattgg 280

<210> 47778
<211> 281
<212> DNA
<213> Glycine max

<223> Clone ID: 701037706H1
<400> 47778
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agttcctact tgaacgtggt tacactgtca ggaccactgt tcgacaccca aatgatcaca 120
cgaaggtaga acatttgcta aaacttgaag gtgcaaagga gagactgcac cttgttaagg 180
cagatcttt gggtaaaaat tctttgact ccattgctga cggctgtgat ggctgtttc 240
atactgcttc tcctttatt atcaacgtca aagaccacaca g 281

<210> 47779
<211> 279
<212> DNA
<213> Glycine max

<223> Clone ID: 701037710H1

<400> 47779

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aatatgaagt atacgactca gtcagaaatt cttggagtcg tccaggaaac atgcctgtgg 120
gcatgaagct gccattgtcg ctcaacttta ggtctcaagc tgtctctatt ggcagcacac 180
tttatttcat gcgttcagac ccagacggta ttgttccta tgatatggca actggggttt 240
ggaaaacaata tataatccca gcgccactgc atctgactg 279

<210> 47780

<211> 276

<212> DNA

<213> Glycine max

<223> Clone ID: 701037712H1

<400> 47780

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tttgcggcgg ttccgacgca tggcggacag ttcattcagt acaacatatt tggccacctc 120
ttcgagggtt cgacgaagta ccgtccctcg atcatgccta tcggacgcgg cgcgtacgga 180
atcgtttgc cactgttcaa taccgagacg aacgagctgg tggctgtgaa gaagatagcg 240
aacgctttcg acaatcacat ggacgctaag cgtacg 276

<210> 47781

<211> 276

<212> DNA

<213> Glycine max

<223> Clone ID: 701037713H1

<400> 47781

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tttatctctga gttatcccaa ttccctaaag aaaaaaatac tgaagaattg agcaaatctg 120
atgccactaa aaagttggaa ctaatggatg actttctgga ggtggagaaa ttggctcggt 180
tatcaaatga tttcagtgaa gtttcagttt cttcaaacaa tatggcaaata gaaactgtga 240
ccaatgtatgt atcagaggc agtactgaga aagatg 276

<210> 47782
<211> 276
<212> DNA
<213> Glycine max

<223> Clone ID: 701037714H1

<400> 47782

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atgtttagcg tggaggact gttccaaatt ggagaccccg tcgcttaggt ggtggacttg 120
gtaccactag agttggaggt gaagaagtta atcagcgaca ttctgggagg gagcaacaac 180
agtctcgttc tgaagaacccg agagtgcgag acgaccgaca cgctgataga gacagggaaa 240
tatcacgtga aagacgtagg gacaaagaca gagaac 276

<210> 47783
<211> 97
<212> DNA
<213> Glycine max

<223> Clone ID: 701037715H1

<400> 47783

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accaagagcca acgaaccaac ctttccctcc gactacc 97

<210> 47784
<211> 272
<212> DNA
<213> Glycine max

<223> Clone ID: 701037716H1

<400> 47784

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aacgggtgcgg tggtgtgctt tggttagtc gtctccgatc atcatcgaga atgcgcaatc 120
tggctgcacc tcattccttg ggggtttca tcttcgccc caataaggct cctttctca 180
ctctccctc actctctcga agatctctcc ctccatcca gtgcggtgca gttcaattcc 240
gccccctgcac cgatatccac aaagggaaag tg 272

<210> 47785
<211> 256
<212> DNA
<213> Glycine max

<223> Clone ID: 701037717H1

<400> 47785

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aggtgttgaa atccctgttc ttctttctgc tgctaagggc tacaaagaca tgactcgcta 120
tctttactct cagactcagc ttgaagcggtt catcgacaaa aattcccaca ttggggtttt 180
gcttcttgca cgatgcatca ccgctgaaat atctgatgtg gctttgagtt taatccatcg 240
cattccaagc tgccctc 256

<210> 47786
<211> 281
<212> DNA
<213> Glycine max

<223> Clone ID: 701037718H1

<400> 47786

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gtctccggga cctccaatcc caaccggcga acaagatctg cgtggactgt tcccagaaga 120
acccgcaatg ggcctccgta tcgtacggcg tcttcatgtg cctagagtgc tcaggcaagc 180
accgcggcct gggcgtgcac atctccttcg tgcgatccgt gacgatggat tcgtggtccg 240
aaatccagat caagaaaatg gaagccggag gcgacgacaa a 281

<210> 47787
<211> 244
<212> DNA
<213> Glycine max

<223> Clone ID: 701037719H1

<400> 47787

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acttgaaaat aaatcttccc tttttgtgtc acaaccatgg gttgttgtat gagtaaaaca 180
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<210> 47788
<211> 279
<212> DNA
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<223> Clone ID: 701037720H1

<400> 47788

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acttatgtca cgaagtcaat gttcgaacca aaaaacatat tgatgctcca gttaaatgaa 180
tatgtcgcta cactttccat tcgaagtcat gtcggAACCC aagacatctg aagtgctgat 240
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<210> 47789
<211> 278
<212> DNA
<213> Glycine max

<223> Clone ID: 701037721H1

<400> 47789

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ggtcacctga tttacaagct tggaggcatt gacaagcgtg ttattgagag gtttggaaag 180
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gctgagcgtg aaagaggaat caccattgtat attgcttt 278

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<212> DNA
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<223> Clone ID: 701037722H1

47790
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tgtgacaagc tctgtcggtt ttcacagatc atgaaatgtt atcacgtccc gttatgccgg 180
aatcggttaca aacgtgggac acggagttac atggaaagtt tatagagaac caggttcgga 240
tttgacgatt atagcctttg aggtcaagct agatTTT 278

47791
278
DNA
Glycine max
Clone ID: 701037723H1
47791
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gacagacaaa gctgattcac ttagggcct caagagctat gtctacatct tctcggtc 120
ttcccactcc cttggaaaac aagtatatga aacccccaga ttctttcag cttcacccg 180
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tgtcttcagc ttctgaatgt cccgatgata tcgTTTT 278

47792
278
DNA
Glycine max
Clone ID: 701037725H1
47792
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ggcttgacgc cttccgttc ctctcatatc agggtcagca gagtgcagag aaaagagcag 120
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<210> 47793
<211> 277
<212> DNA
<213> Glycine max

<223> Clone ID: 701037727H1

<400> 47793

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tcgttgcacg ttgttctgag catcatcgct tctggctcca agggccccac actcgatcag 180
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<210> 47794
<211> 273
<212> DNA
<213> Glycine max

<223> Clone ID: 701037728H1

<400> 47794

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agctgaggct actgaatgga aacgtaaata tgagttggag agggatcgga atctgaagtt 180
tgaacatgca gagaaatcat gtatagagca tcaggctgat cttgatgatg tgaggacaaa 240
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<210> 47795
<211> 274
<212> DNA
<213> Glycine max

<223> Clone ID: 701037729H1

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tctggaggt ggtttgcgcg gagcacggga tcgaccctac cggaaggatc ggtggggact 180

cgagttgca gctcgagagg atcaatgtct actacaacga ggccagttgc ggtcggttcg 240
tgccgcgcgc ggttctcatg gacctcgaac cggg 274

<210> 47796
<211> 252
<212> DNA
<213> Glycine max

<223> Clone ID: 701037692H1

<400> 47796

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cagtcaaagt cacgtacaac actttctgag gcatcaaatg tgcttgaaca aagtgggtt 120
aaaaaggga agcaagatac tgcattgtaa gatttaagtg tctctggga gaatgaaaagc 180
atggcattga cagggatctg aattggggcc aaccagcctg gatggttgac atgtatggga 240
catgtcgctcg cg 252

<210> 47797
<211> 77
<212> DNA
<213> Glycine max

<223> Clone ID: 701037623H1

<400> 47797

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<210> 47798
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<212> DNA
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<223> Clone ID: 701037624H1

<400> 47798

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<210> 47799
<211> 79
<212> DNA
<213> Glycine max

<223> Clone ID: 701037625H1

<400> 47799

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<210> 47800
<211> 110
<212> DNA
<213> Glycine max

<223> Clone ID: 701037627H1

<400> 47800

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<223> Clone ID: 701037628H1

<400> 47801

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<210> 47802
<211> 80
<212> DNA
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<223> Clone ID: 701037629H1

<400> 47802

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